

# JEWEL STOVES RANGES AND FURNACES



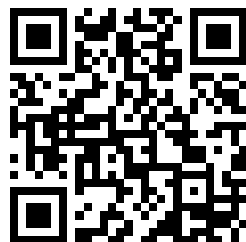
DETROIT STOVE WORKS  
DETROIT CHICAGO

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# J E W E L STOVES RANGES AND FURNACES

1913

CATALOGUE No. 93

1914



## DETROIT STOVE WORKS

DETROIT

LARGEST STOVE PLANT  
IN THE WORLD

CHICAGO

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**MR. WILLIAM H. TEFFT**

Founder of the Detroit Stove Works, Largest Stove Plant in the World,  
and Pioneer Stove Foundryman of the Northwest



## *To Our Distributors*

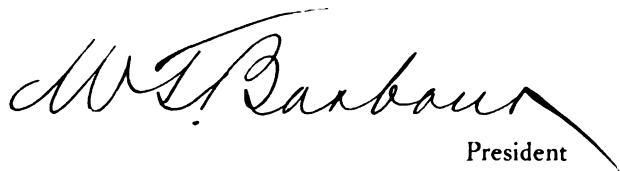
**A**S a personal word to each and every dealer in "Jewel Stoves and Ranges," we desire not only to express our appreciation, but to thank you for your liberal assistance in the past which has enabled us to build up the "Largest Stove Plant in the World."

This organization was started fifty years ago—half a century—it is a long time to look back. Our product has been improved year after year, and now, as in the past, the "Jewel" line is considered to be not only the best, but the most complete made. This has been effected by the large number of dealers and users in this country who know the "Jewel" to be the standard line in the Stove trade. It is natural for us to feel proud of the success of our product, the "Jewel," and at the same time we want to assure you that we appreciate your continued cooperation and favorable consideration.

Our policy of fair and honorable dealing, together with honesty from the point of manufacture, has been successful in the past, and we assure you that it shall be continued. With this method and your help it has made it possible for us to develop an organization which easily takes rank at the head of the Stove industry. This organization is designed to serve our patrons. Our Publicity Department will in the following pages tell you how.

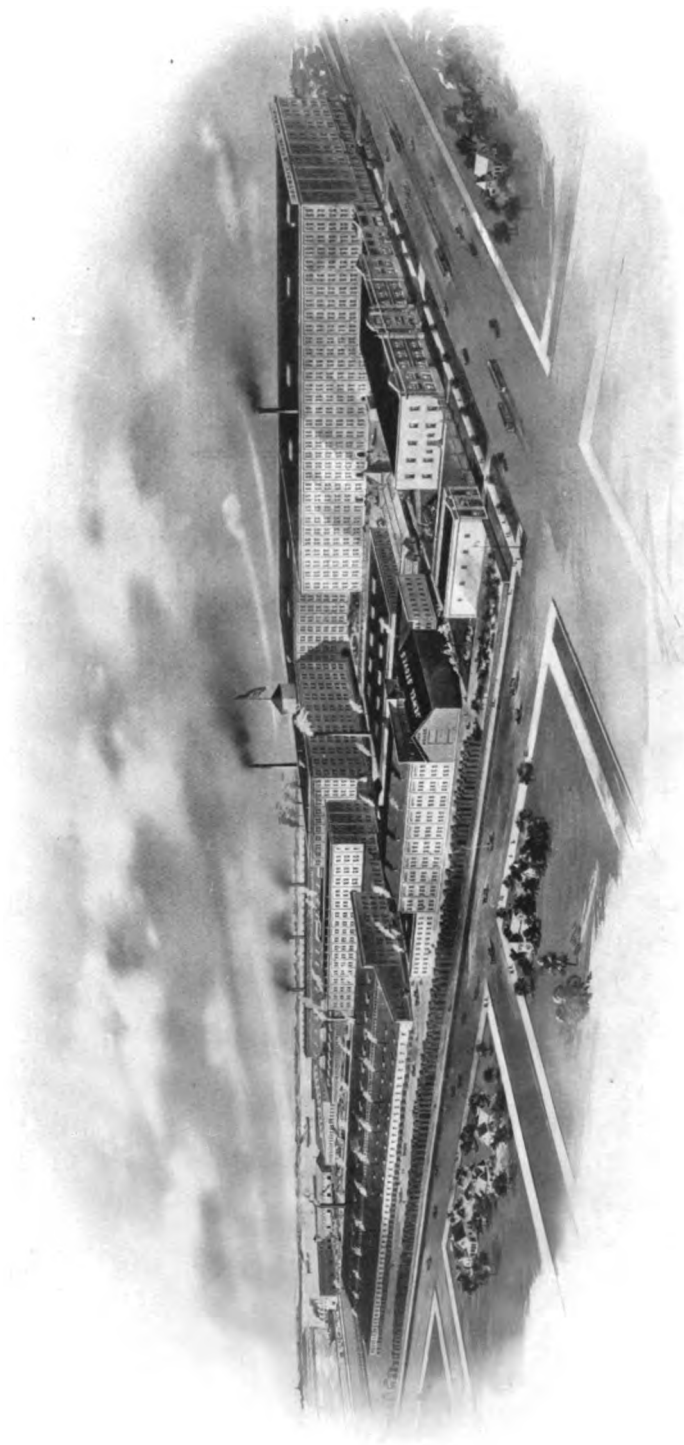
Faithfully yours,

DETROIT STOVE WORKS

  
President

W. T. BARBOUR, *President*  
W. G. HENRY, *Vice President*

JOHN D. GREEN, *Secretary*  
E. G. VAN WIE, *Superintendent*



### DETROIT STOVE WORKS

The largest stove plant in the world—where Detroit Jewel Stoves, Ranges and Furnaces are made. It represents over fifty years' experience and growth. Our guarantee of high quality and service backed by this plant.

*General Offices, Salesrooms and Works: 1320 to 1380 Jefferson Avenue, Detroit, Michigan*

# High Grade Material the Basis of Jewel Popularity

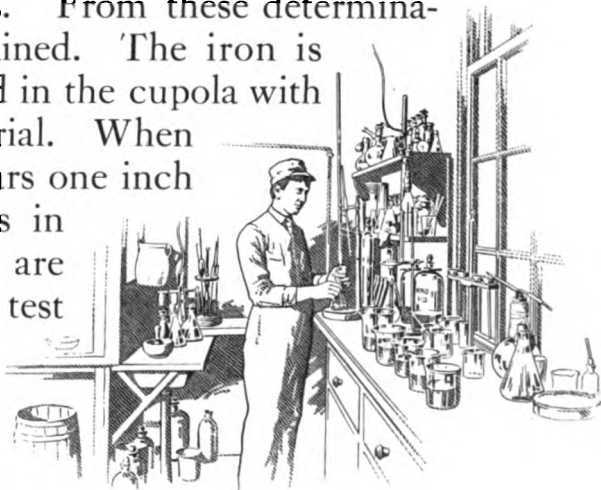
**KEMI-TEST**  
IRON

**I**T takes more than salesmanship to sell stoves that stay sold—the stoves themselves must also be right. A permanent, successful business is only built on quality and good value.

The reason for the great popularity of Jewel Stoves is the fact that no expense is spared in the material used in their construction. All iron used in Jewel Stove construction is analyzed and tested by an expert chemist and it is this care and expense which is the basis of the long life and satisfactory results of Jewel Stoves.

The iron used is named **KEMI-TEST** and is produced by blending different ores according to a secret formula which produces the toughest, smoothest and longest lasting stove castings found in stoves.

In preparing **KEMI-TEST** iron, borings from the Pig Iron as it reaches the plant are chemically tested to detect any imperfections and to determine the relative proportions of its several ingredients. From these determinations the “mix” is obtained. The iron is then weighed and placed in the cupola with the proper fluxing material. When ready for pouring, test bars one inch square by twelve inches in length are cast. These are subjected to a breaking test on the machine illustrated on page 9 and must withstand a pressure of over 2500 pounds to the square



Analyzing the Iron



## DETROIT STOVE WORKS

Western Offices, Salesrooms and Warehouse  
2921 to 2933 La Salle Street, Chicago, Illinois

The largest and best equipped stove salesroom and warehouse in the world.  
All our western business is transacted from this office.

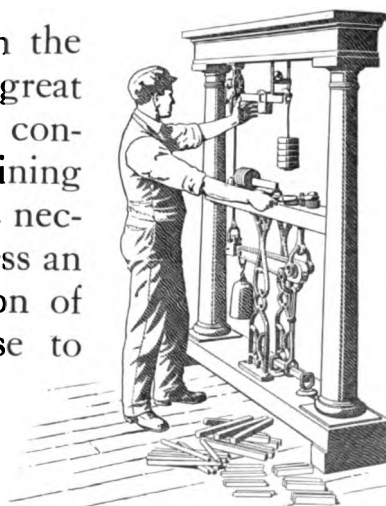
inch. Iron that does not in every respect meet this test is not cast into Jewel Stoves.

As the name **KEMI-TEST**  
IRON signifies, this metal is the result of careful expert chemical analysis and this fact, together with our up-to-date foundry methods, makes the metal so superior and so different as to almost constitute a different metal from that produced by other stove foundries.

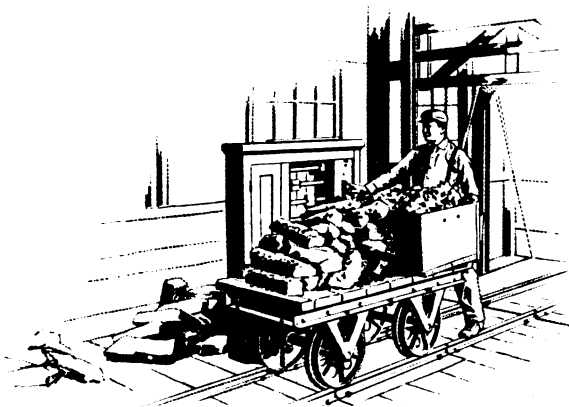
So increasingly distinctive does the superiority of our iron become under our skillful foundry operations and scientific control that the copyrighted name **KEMI-TEST**  
IRON stands for a product where both materials and methods are constantly submitted to exacting and rigid tests.

As is well known, pig iron as it comes from the blast furnace necessarily carries with it the natural impurities of the ores from which it is smelted. Moreover, the working conditions of any furnace impose unavoidable variations in the pig iron produced from time to time, the metal being sometimes too hard and other times too soft and so on through a long list of chemical and physical properties entirely too long and complicated to fully enumerate in this catalog.

There is a great difference in the nature of cast iron, some showing great weakness and porosity and some containing too little silicon. In determining the proper kind of iron to use, it is necessary for the foundryman to possess an exact knowledge of the composition of all the grades of iron he must use to produce cast iron precisely suited to his purpose and to mix them in the cupola in exactly the right proportions that will secure the nec-



Kemi-Test Iron Must Stand a Breaking Strain of 2500 Pounds to Square Inch



Determining Exact Proportion of Iron to be Used

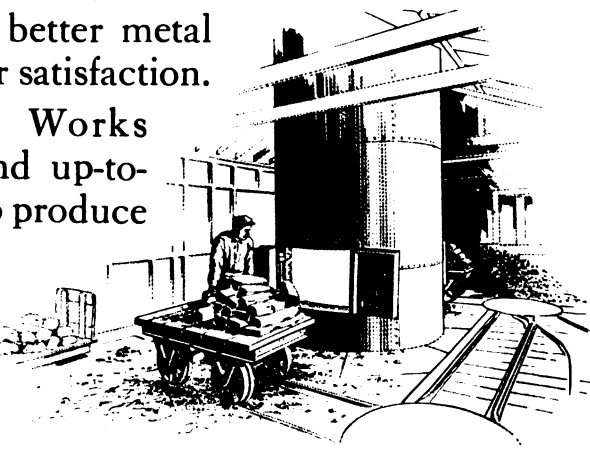
methods have taught us to be absolutely necessary.

**KEMI-TEST IRON** preserves in a magnificent degree the desirable factors of each constituent iron while eliminating the undesirable features of it. This calls for a nice mathematical adjustment of the percentage of the composition of each iron and a judicial allowance to be made for the silicon, manganese, etc., incidental to cupola melting. Figures so derived constitute the mix and call for carefully weighed amounts of the several kinds of iron which are fed into the cupola alternately with the fuel and flux.

Not only do we secure best irons in **KEMI-TEST IRON** Metal, but being produced under the most skillful and technical test, we are spared the repeated and exasperating failures experienced by many foundries. This factor alone enables us to give our patrons a better metal for their money and better satisfaction.

The Detroit Stove Works has by long experience and up-to-date methods been able to produce the best metal and by continued vigilance to maintain **KEMI-TEST IRON** as a vast exponent in the foundryman's art.

essary and desirable properties. In **KEMI-TEST IRON** metal the pig iron is carefully analyzed and tested so we know exactly the various properties contained in it. This results in the metal possessing exactly those qualities which long experience and advanced



Feeding Pig Iron to the Cupola



## The Detroit Jewel Special Rust-Resisting **NON-OX** METAL

A NEW metal, having four times the life of ordinary steel, is used exclusively in all metal parts of Detroit Jewel Stoves. The most serious problem in selling steel and gas ranges has been the quick rust-



Separating Impurities from the Iron

ing of the steel. The **NON-OX** METAL metal solves the difficulty and puts the dealer in a position to increase his range business. Notice the illustration, showing a remarkable test made on **NON-OX** METAL metal. The piece that is intact is **NON-OX** METAL, the piece that is practically eaten away is the steel generally used in building steel and gas ranges.

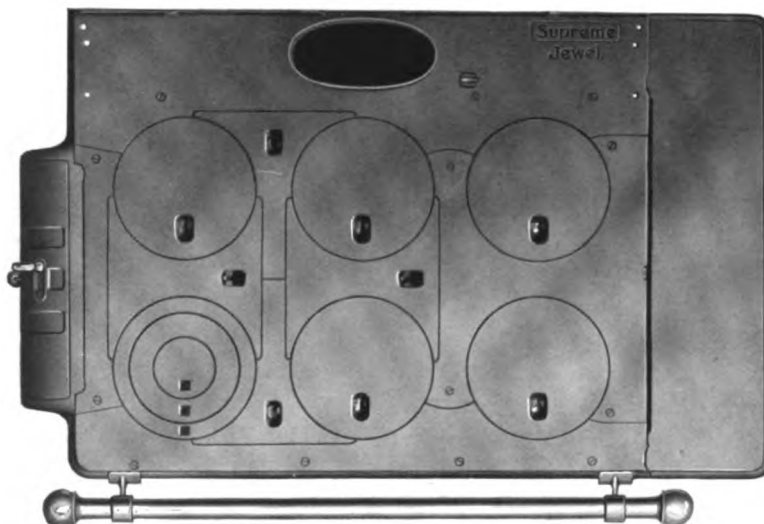
Four times the wearing qualities of ordinary steel. These two pieces of the same gauge, were immersed at the same time in a solution of sulphuric acid. After eight hours, both pieces were removed simultaneously from the acid solution. Notice how the piece of **NON-OX** METAL is intact, and how badly the steel piece is eaten away.



Illustration showing pieces of **NON-OX** and ordinary metal. Both were immersed in same sulphuric acid solution same length of time. Note corrosion of piece of ordinary metal at right.

This is the most severe test to which metal can be subjected. The **NON-OX** METAL metal's power to resist the action of the acid, is over four times that of ordinary steel.

No other manufacturer can use **NON-OX** METAL metal because it is controlled by us, therefore the dealer pushing the Jewel line will have a specialty that will enable him to overcome competition and increase his stove business.



## Standardization or Interchangeability of Parts. Developed to a High Degree in the Jewel Line of Ranges

Five Styles, Supreme, Harvard, Paragon, Pride and Princess have all these features in common.

The advantages of interchangeability accomplished through standardization of as many features as possible are enjoyed to the full by every Jewel dealer. The economic or money saving side of this great feature is apparent at once. It means that every dealer can now carry in stock a full line of repairs for five distinct lines of ranges with the same investment formerly necessary to carry repairs for only one line. This is a supreme selling advantage that will appear more potent and profitable the longer you think about it.

### Body

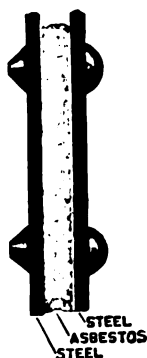
The bodies of all five lines are made double of heavy, Non-Ox metal which will not chip, peel, rust or turn white when heated. Rivets are cone-headed, driven cold, by hand. End interlined with asbestos, to prevent radiation of heat into the kitchen, and to economize fuel.

### Oven

Each of these ranges has a large, quick baking oven, heated evenly with a minimum of fuel, and well protected by cast plates. Will bake perfectly on the rack as well as on the oven bottom. Dean patent oven bottom is made in sections, to prevent warping, and will outlast the range.

### Oven Thermometer

An accurate Oven Thermometer is furnished on each Supreme, Pride, Paragon or Princess range.



### Oven Door

Spring poised oven door (see illustration, page 14) falls to horizontal position without jar; has a perfectly smooth, inner surface, and is easily kept clean. It is flush with oven bottom when opened and makes a convenient shelf for basting, etc.

### Oven Racks

All Jewel Steel Ranges are furnished with heavy wire oven racks (easily cleaned) and double sheet steel rack slides.

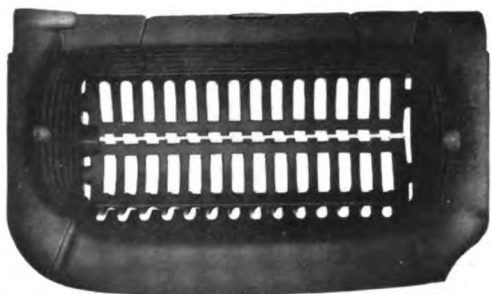
### Heavy Top Plate

Top plate is cast in sections, to prevent warping and is made from Jewel Kemi-Test Iron, which insures the smoothest, most durable and lasting castings found in stoves.

The illustration shows the plan of construction in detail including the End Shelf and Pouch Feed. Tops are exactly the same in all five lines.

No key plates to warp and necessitate expensive repairing. Any part can be replaced at a minimum expense.





### Fire-Box Lining

This shows the standard type of fuel box adopted and used in Supreme, Harvard, Princess, Paragon and Pride Jewel Steel Ranges. Note that it is amply wide and of sufficient depth to permit holding fire over night. Fitted with heavy durable fire-box linings with an air space back of the linings to make them last. These standard linings fit all five styles of Jewel Steel Ranges. One set of each size carried in stock furnishes repair stock for all five lines.



### Fire-Box Extension

Fire-box extension at rear, for long wood, as supplied on every range, and a drop end wood door. These ranges take 24-inch wood.

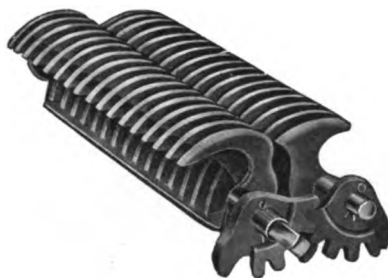


### Water Front

For heating water in connection with these ranges two styles of water heaters are manufactured. Straight water front, as illustrated, or Water Back, preferable when wood is used for fuel. Water Front shipped unless otherwise ordered.

### Duplex Grates

For hard or soft coal; so made that one movement of the crank cuts out the dead ashes and cinders, and drops them into the ash pan. Grates are easily removed without disturbing water front or linings. No frames or tracks to warp and get out of order. These are the simplest, easiest operating grates made. These are used on all Jewel Steel Ranges.

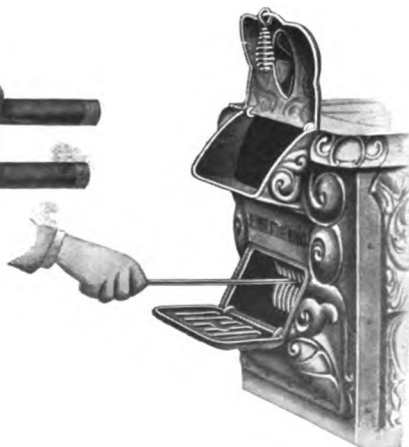


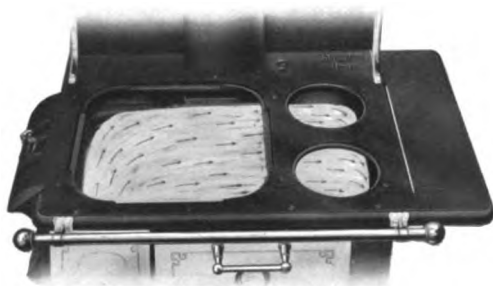
### Duplex Grates for Wood

When reversed, forms a perfect wood fire bottom, and makes the fire box shallower, a desirable feature with wood, intended to bring the fire nearer the top. Removing the end linings and reversing the grate forms a perfect wood fire box, without disturbing any other linings or removing the grate.

### Broiler Feed and Draft Door

Combination feed and broiling opening above fire, and draft door on line of grate, when dropped, gives free access with poker to the entire grate surface.





### Direct Acting Flue Construction

Our plan of flue construction circulates the heat evenly over top, back and bottom of oven. The flues are just the right size to obtain greatest value from the heat, insuring minimum fuel consumption and greatest baking efficiency. Illustration shows how evenly the heat circulates over oven top when vertical damper is closed.



### Jewel Vertical Damper

Is very simple in construction and operation. It is easily operated, and as will be noted from illustration, is entirely out of reach of the flames and heat.

### Flue Clean Out

A large, hinged clean out door, with projecting lip to prevent spilling soot, is furnished on all Jewel Steel Ranges.

### Covers

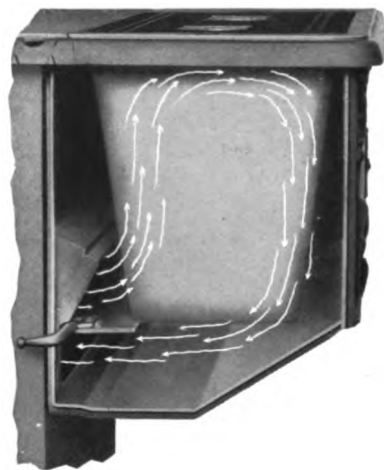
Heavy, solid Jewel ring covers, one made in ring sections for reducing size of hole, also heavy centers and long center cut to prevent warping.



### High Closets

The high closets furnished with these ranges are identical in pattern, varying only in the amount of nickel trimmings. They

are made from high grade non-ox metal and are unusually large, strong and rigid; the rolling door is provided with rigidly set handle and is properly balanced so that it never sticks in operation. All High Closets are equipped with two convenient drop teapot shelves.



### Reservoir

Extra large reservoir, enameled, with cast reservoir casing; removable for cleaning; japanned and attractively ornamented lids flush with the top of the range, giving increased top surface for utensils. Flue shifting reservoir damper provides a means of quickly heating water in the reservoir, and for quickly heating the oven when baking.

### Oven Door Spring Hinge

The Jewel standard type of oven door hinge illustrated is furnished on all Jewel Steel Range oven doors. The spring is strongly made from a special grade of spring wire. This spring prevents door slamming, banging or jarring when dropped.



### Joint of Pipe

With check damper is furnished with each high closet or shelf.

# The Supreme Jewel Steel Range

## The Highest Grade Steel Range Made

**T**HE Supreme Jewel Steel Range represents the last word in steel range construction. It is the most attractive steel range we have ever made and this is saying a great deal when it is realized that we are the leaders in the manufacture of steel ranges. The Supreme has the up-to-date finish, such as smooth, plain castings and smooth, bright nickel work that modern housekeepers most prefer. There is just enough ornamentation on the nickeled parts to bring out the pleasing design. Special attention is called to the newly designed warming closet and solid end shelf.

### Body

Is made double, of heavy blue planished Non-Ox metal. All cast parts of Kemi-Test Iron. Rivets cone headed, driven cold, by hand; all parts interlined with asbestos to prevent radiation of heat into the kitchen, and to economize fuel.

### Oven

Large, quick baking oven, heated evenly with the smallest amount of fuel; well protected by cast plates. Bakes perfectly on the rack as well as on the oven bottom. Dean patent oven bottom is made in sections to prevent warping.

### Oven Door

Spring poised. Fitted with accurate oven thermometer. See illustration, page 12.

### Oven Racks

Made of steel wire, with double sheet steel rack slides.

### Fire Box Linings

Heavy and durable, with an air space back of them to make them last. A large, powerful water front for coal, or water back for wood, is supplied when specially ordered.

### Duplex Grate

For hard or soft coal. Reversible for wood. Fully described on page 13.

### Fire Box

Extension at rear, for wood, on all styles; drop end feed door for wood; draft slide full length of the fire box, on end of range.

### Combination Feed

And broiler opening above fire, and draft door on line of grate, which, when dropped, gives free access with poker to the entire grate surface.

### Top Plate

Is cast in sections, to prevent cracking. Solid end shelf.

### Covers

Heavy solid ring covers. See illustration and description, page 14.

### Vertical Damper

Easy to operate; handle removed from reach of flames.

### Reservoir

Extra large cast reservoir, enameled; cast reservoir casing; japanned lids, ornamented; top flush with top of range; flue shifting reservoir damper.

### Flue Clean-Out

Large, hinged clean-out or flue door, with projecting lip, to prevent spilling soot.

### Ash Pit

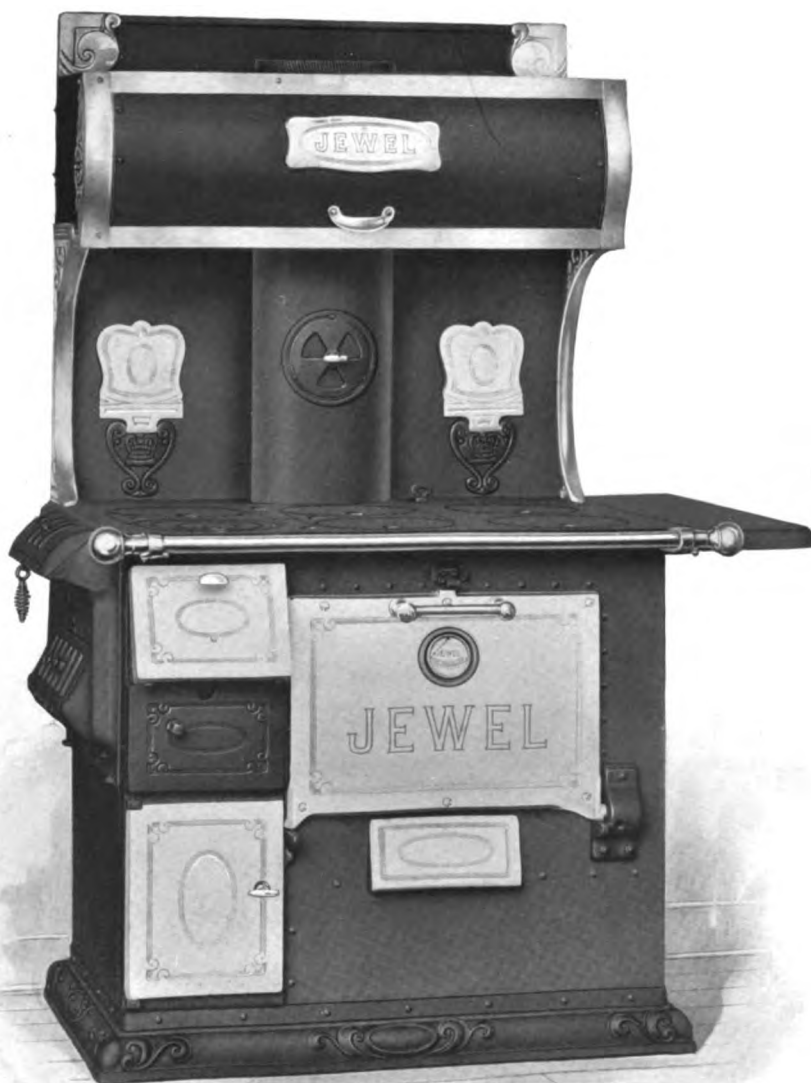
Deep ash pit with full size bailed ash pan. One joint of planished pipe, with check damper, is furnished with each high shelf or high closet.

### High Closet

Roomy high closet, with rolling front; extra large opening when door is raised. Heavy, substantial cast iron door hinge; provided with two convenient drop teapot shelves.

### Nickeled Parts

Entire oven door and handle; flue clean-out; feed door; ash pit door; burnished band on edges of high closet, end castings on high closet; brackets; handle and teapot shelves; nickel towel rod or guard rail; nickel ornament on reservoir.



Style E

## Supreme Jewel Steel Range

Square With End Shelf and Elevated Warming Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code    |
|--|-----------|---------------|----------------|--------|----------------|---------|
| 84-16  | Six 8 in. | 16 x 20 x 12½ | 28 x 38½       | 395    | <b>\$82.75</b> | Laconic |
| 84-18  | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 405    | <b>\$86.75</b> | Lacuna  |
| 94-18  | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 410    | <b>\$88.00</b> | Lector  |
| 84-20  | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 420    | <b>\$91.75</b> | Lecture |
| 94-20  | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 425    | <b>\$93.00</b> | Leer    |
| Water front extra, all sizes   |           |               |                | 30     | <b>\$8.00</b>  | Falcon  |
| No. 20 Gas Attachment, illustrated on page 81  |           |               |                | 35     | <b>\$9.25</b>  | Scope   |
| No. 30 Gas Attachment, illustrated on page 81  |           |               |                | 40     | <b>\$11.50</b> | Score   |
| No. 35 Gas Attachment, illustrated on page 82  |           |               |                | 90     | <b>\$26.25</b> | Scot    |
| Height from Floor to Top Plate, 31 in. Height from Floor to Top of High Closet, 62 in. |           |               |                |        |                |         |
| Ranges take 24 in. wood.   |           |               |                |        |                |         |





Style F

## Supreme Jewel Steel Range

With Reservoir and Elevated Warming Closet.

For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List     | Code    |
|-------|-----------|---------------|--------------------|--------|----------|---------|
| 84-16 | Six 8 in. | 16 x 20 x 12½ | 28 x 43½           | 495    | \$ 99.75 | Legal   |
| 84-18 | Six 8 in. | 18 x 20 x 12½ | 28 x 47½           | 505    | 103.75   | Lemon   |
| 94-18 | Six 9 in. | 18 x 20 x 12½ | 28 x 47½           | 510    | 105.00   | Lenity  |
| 84-20 | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 515    | 108.75   | Lesson  |
| 94-20 | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 520    | 110.00   | Liberal |

Height from Floor to Top Plate, 31 in. Height from Floor to Top of High Closet 62 in.  
Ranges take 24 in. wood.

# The Harvard Jewel Steel Range

## A Range of the Highest Grade Construction at a Popular Price

**T**HE Harvard Jewel Steel Range is a similar range to the Supreme, and in general details of construction it is exactly the same. It has the same top, fire box, linings, oven construction and body, but it is less elaborately trimmed and is sold without a base. (Base furnished at extra cost if ordered). In every way superior to the majority of ranges offered at higher prices. Full description on pages 12, 13 and 14.

### Body

Is made double, of heavy Blue Planished Non-Ox metal. Cast parts Kemi-Test iron. Rivets cone-headed, driven cold, by hand; the ends interlined with asbestos to prevent radiation of heat into the kitchen, and to economize fuel.

### Oven

Large, quick baking oven, heated evenly with the smallest amount of fuel; well protected by cast plates. Bakes perfectly on the rack as well as on the oven bottom. Dean patent oven bottom is made in sections to prevent warping.

### Oven Door

Spring poised. See illustration, page 14.

### Oven Racks

Made of Steel Wire, with double sheet steel rack slides.

### Fire Box Linings

Heavy and durable, with an air space back of them to make them last. A large, powerful water front for coal, or water back for wood, is supplied when specially ordered.

### Duplex Grate

For hard or soft coal. Reversible for wood. Fully described on page 13.

### Fire Box Extension

At rear, for wood, on every range; drop end feed door for wood; draft slide full length of fire box, on end of range.

### Combination Feed

And broiler opening above fire, and draft door on line of grate, which, when dropped, gives free access with poker to the entire grate surface.

### Top Plate

Is cast in sections, to prevent cracking. Solid end shelf.

### Covers

Heavy solid ring covers. See illustration and description, page 12.

### Vertical Damper

Easy to operate; handle removed from reach of flames.

### Reservoir

Extra large cast reservoir, enameled; cast reservoir casing; Japanned lids, ornamented; top flush with top of range; flue shifting reservoir damper.

### Flue Clean-Out

Large, hinged clean-out or flue door, with projecting lip, to prevent spilling soot.

### Ash Pit

Deep ash pit with full size bailed ash pan. One joint of planished pipe, with check damper, is furnished with each high shelf or high closet.

### High Closet

Roomy high closet, with rolling front; extra large opening when door is raised; heavy substantial cast iron door hinge; provided with two convenient drop teapot shelves.

### Nickel Parts

Entire oven door and handle; feed door; burnished band on edges of high closet; end castings on high closet; brackets; handle and teapot shelves; heavy nickel towel rod or guard rail.



Style E

## Harvard Jewel Steel Range

Square with End Shelf and Elevated Warming Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code    |
|---|-----------|---------------|----------------|--------|---------|---------|
| 84-16   | Six 8 in. | 16 x 20 x 12½ | 28 x 38½       | 375    | \$73.00 | Liberty |
| 84-18   | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 380    | 77.00   | Library |
| 94-18   | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 385    | 78.25   | Lid     |
| 84-20   | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 390    | 82.00   | Lief    |
| 94-20   | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 395    | 83.25   | Life    |
| Cast Base extra                               |           |               |                | 20     | 3.75    | Avouch  |
| Water Front extra, all sizes                  |           |               |                | 30     | 8.00    | Falcon  |
| No. 20 Gas Attachment, illustrated on page 81 |           |               |                | 35     | 9.25    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81 |           |               |                | 40     | 11.50   | Score   |
| No. 35 Gas Attachment, illustrated on page 82 |           |               |                | 90     | 26.25   | Scot    |



**Style F**

**Harvard Jewel Steel Range**

With Reservoir and Elevated Warming Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.             | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code   |
|-----------------|-----------|---------------|--------------------|--------|----------------|--------|
| 84-16           | Six 8 in. | 16 x 20 x 12½ | 28 x 43            | 475    | <b>\$89.25</b> | Light  |
| 84-18           | Six 8 in. | 18 x 20 x 12½ | 28 x 46½           | 480    | <b>93.25</b>   | Lilac  |
| 94-18           | Six 8 in. | 18 x 20 x 12½ | 28 x 46½           | 485    | <b>94.50</b>   | Lime   |
| 84-20           | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 490    | <b>98.25</b>   | Limit  |
| 94-20           | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 495    | <b>99.50</b>   | Liquid |
| Cast Base extra |           |               |                    | 20     | <b>3.75</b>    | Avouch |

Height from Floor to Top Plate, 28¾ in. Height from Floor to Top of High Closet, 59¼ in.  
Ranges take 24 in. wood.

## **Paragon Jewel Steel Range**

### **Plain Finish, Easy Cleaned Range of Exceedingly Attractive Design, Highest Quality Construction**

For Hard Coal, Soft Coal, Coke or Wood

**T**HE popularity of the Paragon Jewel grows by leaps and bounds. The Detroit Stove Works was the first manufacturer in the west to produce a plain finish range. Perhaps that is one reason why the Jewel lines of plain finish ranges hold the record for quick sales.

The Paragon Jewel is a well built, plain finish range of Non-Ox Metal. It satisfies the desire for something away from the ordinary. It meets the demand for a plain, sanitary, substantial construction that lessens labor in the kitchen. No deep fancy carvings to catch dirt and grease. Furnished in either full nickel glass or plain oven doors. In addition to these distinctive advantages it has the famous Jewel standardized construction—same as Supreme, Harvard and others described on page twelve.

Dealers can carry a full line of Jewels in stock with a minimum investment in repairs because of the standardization and interchangeability of Jewel castings.

#### **Body**

Non-Ox metal. Double walls interlined with asbestos. Hand riveted with cone-head rivets. Full description, see page 12.

#### **Castings**

Made from Kemi-Test iron. Smooth, heavy and durable. No deep carvings to collect dirt, grease, etc.

#### **Fire Box and Linings**

Correctly proportioned to hold fire over night. No "dead" corners. Heavy linings ventilated to insure maximum durability, and made in sections, affording easy replacement. See illustration and detail description, page 13. Water front furnished if desired—illustrated page 13.

#### **Duplex Grate**

Consists of two duplex bars held in place by cast bearings away from action of fire. No frames or tracks to wear, warp or crack. Reversible for wood. See illustration and description, page 13.

#### **Deep Ash Pit**

Furnished with extra heavy, large, steel bailed ash pan with wire handle. Ash pit door is full size of ash pit and swings on hinges.

#### **Pouch Feed and Grate Door**

Plain, heavy pouch feed door and drop grate door. Drop grate door gives access to full length of fire box.

#### **Large Baking Oven**

Made square to give every inch possible for baking. Dean Patented Oven Bottom is used—this is made in two pieces to prevent buckling or warping. Oven top is protected by heavy cast plate at point where it comes in direct contact with the fire.

#### **Oven Racks**

Made of steel wire, easily replaced, clean. Perfect baking can be done on oven rack or bottom.

#### **Oven Door**

Spring balanced oven door. Both full nickel glass and plain doors illustrated. Falls flush with oven bottom without jar or noise. Lined with steel. All edges smooth. Reliable thermometer in center.

#### **Flue Construction**

Direct acting flue construction same as described page 14. Gives even circulation of heat around oven and insures perfect baking with least fuel.

#### **Cooking Top**

Cast in sections. See illustration, page 12.

#### **Draft Regulation**

Vertical damper out of reach of flames and heat controls oven. End draft door gives even draft full length of fire box. Check damper in pouch feed door can be used in checking fire.

#### **Broiler Feed Door**

Is large enough for actual use in feeding fire or when broiling. Left open acts as an efficient check to fire.

#### **Reservoir**

Extra large size enameled with cast casing. Quickly heated by opening flue shifting reservoir damper described and illustrated page 14. Japanned lids.

#### **Base**

Strong, plain cast base (furnished at extra cost); removable for shipping or when carrying range through doors.



Style E—Glass Door •

## Paragon Jewel Steel Range

With Full Nickel Glass Oven Door.

Square, with End Shelf, Elevated Warming Closet and Full Nickel Glass Oven Door. For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|--|-----------|---------------|----------------|--------|---------|--------|
| 84-16  | Six 8 in. | 16 x 20 x 12½ | 28 x 38½       | 380    | \$74.75 | Sallet |
| 84-18  | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 385    | 78.75   | Loath  |
| 94-18  | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 390    | 80.00   | Local  |
| 84-20  | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 395    | 83.75   | Lock   |
| 94-20  | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 400    | 85.00   | Locket |
| Cast Base, extra   |           |               |                | 20     | 3.75    | Avouch |
| Water Front, all sizes   |           |               |                | 30     | 8.00    | Falcon |
| No. 20 Gas Attachment, illustrated on page 81  |           |               |                | 35     | 9.25    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81  |           |               |                | 40     | 11.50   | Score  |
| No. 35 Gas Attachment, illustrated on page 82  |           |               |                | 90     | 26.25   | Scot   |
| Height from Floor to Top Plate, 28¼ in. Height from Floor to Top of High Closet, 59¼ in. |           |               |                |        |         |        |
| Ranges take 24 in. wood.   |           |               |                |        |         |        |





Style F—Glass Door

## Paragon Jewel Steel Range

With Full Nickel Glass Oven Door.

With Reservoir, Elevated Warming Closet and Full Nickel Glass Oven Door.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.              | Holes     | Size of Oven  | Top with Reservoir | Weight | List   | Code   |
|------------------|-----------|---------------|--------------------|--------|--------|--------|
| 84-16            | Six 8 in. | 16 x 20 x 12½ | 28 x 47½           | 475    | 91.00  | Salute |
| 84-18            | Six 8 in. | 18 x 20 x 12½ | 28 x 47½           | 485    | 95.00  | Locust |
| 94-18            | Six 9 in. | 18 x 20 x 12½ | 28 x 47½           | 490    | 96.25  | Lodge  |
| 84-20            | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 495    | 100.00 | Lofty  |
| 94-20            | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 500    | 101.25 | Logic  |
| Cast Base, extra |           |               |                    | 20     | 3.75   | Avouch |

Height from Floor to Top Plate, 28¼ in. From Floor to Top of High Closet, 59¼ in.  
Ranges take 24 in. wood.



Style E

## Paragon Jewel Steel Range

Square, with End Shelf and Elevated Warming Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code    |
|--|-----------|---------------|----------------|--------|---------|---------|
| 84-16  | Six 8 in. | 16 x 20 x 12½ | 28 x 38½       | 380    | \$69.50 | Logwood |
| 84-18  | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 385    | 73.50   | Loom    |
| 94-18  | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 390    | 74.75   | Lorette |
| 84-20  | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 395    | 78.50   | Lotion  |
| 94-20  | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 400    | 79.75   | Lounge  |
| Cast Base, extra   |           |               |                | 20     | 3.75    | Avouch  |
| Water Front, all sizes   |           |               |                | 30     | 8.00    | Falcon  |
| No. 20 Gas Attachment, illustrated on page 81  |           |               |                | 35     | 9.25    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81  |           |               |                | 40     | 11.50   | Score   |
| No. 35 Gas Attachment, illustrated on page 82  |           |               |                | 90     | 26.25   | Scot    |
| Height from Floor to Top Plate, 28¼ in. Height from Floor to Top of High Closet, 59¼ in. |           |               |                |        |         |         |
| Ranges take 24 in. wood.   |           |               |                |        |         |         |



Style F

## Paragon Jewel Steel Range

With Reservoir and Elevated Warming Closet.

For Hard Coal, Soft Coal, Coke or Wood.

| No.              | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code    |
|------------------|-----------|---------------|--------------------|--------|---------|---------|
| 84-16            | Six 8 in. | 16 x 20 x 12½ | 28 x 43½           | 475    | \$85.75 | Lowbell |
| 84-18            | Six 8 in. | 18 x 20 x 12½ | 28 x 47½           | 485    | 89.75   | Loyal   |
| 94-18            | Six 9 in. | 18 x 20 x 12½ | 28 x 47½           | 490    | 91.00   | Lucifer |
| 84-20            | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 495    | 94.75   | Lull    |
| 94-20            | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 500    | 96.00   | Lump    |
| Cast Base, extra |           |               |                    | 20     | 3.75    | Avouch  |

Height from Floor to Top Plate, 28¼ in. Height from Floor to Top of High Closet, 59¼ in.  
Ranges take 24 in. wood.

## Pride Jewel Steel Range

**The highest grade Steel Range ever mounted on Leg Base.  
Embodies the new idea of plain, easily cleaned nickel and castings.  
Strikingly handsome in design and of massive appearance.**

For Hard Coal, Soft Coal, Coke or Wood.

**A**BETTER steel range than the Pride Jewel is not built. While the body is the same as the Supreme Jewel, it is mounted on a substantial sanitary leg base making it easy to sweep under. It has all the features of the Supreme, Harvard, Princess and Paragon, such as large fire boxes, deep and wide ovens and in fact the interior construction of the Pride Jewel is identical with the others.

Note the description of Jewel Standardized features on pages 12, 13 and 14.

### Body

Walls made from Non-Ox metal—the highest grade obtainable. Riveted with cone-headed rivets, driven cold by hand. See illustration, page 12. Body is double at vulnerable points and interlined with heavy asbestos millboard.

### Castings

Strictly heavy and durable. Made from Kemi-Test iron—the strongest, toughest and greatest fire-resisting iron known.

### Fire Box

One of the great advantages of the Jewel line of steel ranges is the fire box—so perfectly proportioned it holds fire over night. Linings are extra heavy and made in sections. Equally well adapted for coal or wood. See illustration, page 13.

### Duplex Grates

Consist of two bars—easily removable. No tracks, grate frames or any parts to burn out, warp or crack. Reversible for wood. See illustration and detail description, page 13.

### Oven

The square, full-size oven provides the largest possible baking capacity. Bakes with least fuel. Has two-piece non-warping oven bottom and is equipped with standard Jewel Steel Wire Oven racks—light, strong and clean.

### Oven Door

Properly lined with all edges smooth. Opens flush with oven bottom. Spring hinge. Full nickel panel. Strong rigid handle. Ventilating door catch. Accurate oven thermometer.

### Flue Construction

Direct flues of correct size to secure quickest results and greatest economy of fuel. Distribute heat evenly around entire oven. Easily cleaned.

### Top

Interchangeable, standardized Jewel type. Trussed covers. See illustration and detailed description, page 12.

### Ash Pit

Extra large and fitted with extra heavy steel bailed ash pan. Door swings on hinges.

### Flue Back

Cast iron, bottom not affected by rust or creosote.

### Draft Regulation

Plunger damper of most improved type. Draft slide in end draft door and pouch feed doors. Also damper in first joint of pipe with high closet. Perfect control of fire is assured.

### Reservoir

Extra large cast reservoir, enameled; cast reservoir casing; Japanned lids, ornamented; top flush with top of range; flue shifting reservoir damper.

### Pouch Feed and Grate Door

The pouch feed admits replenishing fire without lifting utensils—and can also be used as a broiler door. End grate door gives draft full length of fire box. Convenient for raking fire.

### High Closet

Jewel standard warming closet—extra large in size, rolling door mounted on cast iron hinges. Nickel teapot shelves.

### Steel Base Cannot Break

Is made in sections for easy shipment. Cast Iron Legs are strong, heavy and made from Kemi-Test iron.

### Nickel

Oven door, feed door, ash pit door, clean-out door, guard rail, teapot shelves and high closet trimmings. Finish exceptionally brilliant.



Style E

## Pride Jewel Steel Range

Square, with End Shelf and Elevated Warming Closet.

For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|--|-----------|---------------|----------------|--------|---------|--------|
| 81-18  | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 405    | \$86.75 | Rubber |
| 91-18  | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 410    | 88.00   | Ruler  |
| 81-20  | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 415    | 91.75   | Runt   |
| 91-20  | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 420    | 93.00   | Rustic |
| Water Front, extra, all sizes  |           |               |                |        | 8.00    | Falcon |
| No. 20 Gas Attachment, illustrated on page 81  |           |               |                | 35     | 9.25    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81  |           |               |                | 40     | 11.50   | Score  |
| No. 35 Gas Attachment, illustrated on page 82  |           |               |                | 90     | 26.25   | Scot   |
| Height from Floor to Top Plate, 31½ in. Height from Floor to Top of High Closet, 62½ in. |           |               |                |        |         |        |
| Ranges take 24 in. wood.   |           |               |                |        |         |        |



Style F

## Pride Jewel Steel Range

With Reservoir and Elevated Warming Closet  
For Hard Coal, Soft Coal, Coke or Wood

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List            | Code   |
|--------------|-----------|---------------|--------------------|--------|-----------------|--------|
| <b>81-18</b> | Six 8 in. | 18 x 20 x 12½ | 28 x 47½           | 505    | <b>\$103.75</b> | Rut    |
| <b>91-18</b> | Six 9 in. | 18 x 20 x 12½ | 28 x 47½           | 510    | <b>105.00</b>   | Ruth   |
| <b>81-20</b> | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 515    | <b>108.75</b>   | Rye    |
| <b>91-20</b> | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 520    | <b>110.00</b>   | Saline |

Height from Floor to Top Plate, 31½ in. Height from Floor to Top of High Closet, 62½ in.  
Ranges take 24 in. wood.

## Princess Jewel Steel Range

### The Latest Idea in Steel Ranges. Simple, Sanitary and Massive. Mounted on Leg Base.

For Hard Coal, Soft Coal, Coke or Wood.

**M**OST women fall in love with the "Princess Jewel" on sight. It is so massive in appearance—so daintily simple in design—so easily kept clean and neat—and so easy to sweep under. So compact, and operated entirely from the front. Here's your opportunity to invite in people to whom you sold ranges years ago and sell them something new.

In every essential feature the Princess is the same as the "Paragon Jewel"—a sturdy, strong, durable construction, unsurpassed as a quick baker and fuel saver. Note the description of Jewel Standardized features on pages 12, 13 and 14. This applies to the Princess.

#### Body

Non-Ox metal. Double walls interlined with asbestos. Hand riveted with cone-head rivets. Full description, see page 12.

#### Castings

Made from Kemi-Test iron. Smooth, heavy and durable. No deep carvings to collect dirt, grease, etc. Note neat, simple, artistic moulding.

#### Fire Box

Correctly proportioned to hold fire over night. No "dead" corners. Heavy linings ventilated to insure maximum durability, and made in sections, affording easy replacement. See illustration and detail description, page 13. Water front furnished if desired—illustrated page 13.

#### Duplex Grates

Consist of two duplex bars held in place by cast bearings away from action of fire. No frames or tracks to wear, warp or crack. Reversible for wood. Illustration and description, page 13.

#### Deep Ash Pit

Furnished with extra heavy, large, steel bailed ash pan with wire handle. Ash pit door is full size of ash pit and swings on hinges.

#### Pouch Feed and Grate Door

Plain, heavy pouch feed door and drop grate door. Drop grate door gives access to full length of fire box.

#### Large Baking Oven

Made square to give every inch possible for baking. Dean Patented Oven Bottom is used—this is made in two pieces to prevent buckling or warping. Oven top is protected by heavy cast plate at point where it comes in direct contact with the fire.

#### Oven Racks

Made of steel wire, easily replaced, clean. Perfect baking can be done on oven rack or bottom.

#### Oven Thermometer

Strictly reliable and accurate.

#### Oven Door

Spring balanced oven door. Falls flush with oven bottom without jar or noise. Lined with steel. All edges smooth. Easily kept clean—inside and out.

#### Flue Construction

Direct acting flue construction same as described on page 14. Gives even circulation of heat around oven and insures perfect baking with least fuel.

#### Cooking Top

Cast in sections. Any part can be easily and inexpensively replaced. Covers and centers are trussed to prevent warping. See illustration, page 12.

#### Draft Regulation

Vertical damper, out of reach of flames and heat, controls oven. End draft door gives even draft full length of fire box. Check damper in pouch feed door can be used in checking fire.

#### Broiler Feed Door

Is large enough for actual use in feeding fire or when broiling. Left open acts as an efficient check to fire.

#### Reservoir

Extra large size enameled with cast casing. Quickly heated by opening flue shifting reservoir damper, described and illustrated page 14. Japanned lids.



Style E

## Princess Jewel Steel Range

Square with High Closet, End Shelf, Towel Bar and Oven Thermometer.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code     |
|--|-----------|---------------|----------------|--------|----------------|----------|
| 81-18  | Six 8 in. | 18 x 20 x 12½ | 28 x 42        | 385    | <b>\$73.50</b> | Samp     |
| 91-18  | Six 9 in. | 18 x 20 x 12½ | 28 x 42        | 390    | <b>74.75</b>   | Sanguine |
| 81-20  | Six 8 in. | 20 x 20 x 13½ | 28 x 42½       | 395    | <b>78.50</b>   | Sap      |
| 91-20  | Six 9 in. | 20 x 20 x 13½ | 28 x 42½       | 400    | <b>79.75</b>   | Sapphire |
| Water Front, all sizes, extra  |           |               |                | 30     | <b>8.00</b>    | Falcon   |
| No. 20 Gas Attachment, illustrated on page 81  |           |               |                | 35     | <b>9.25</b>    | Scope    |
| No. 30 Gas Attachment, illustrated on page 81  |           |               |                | 40     | <b>11.50</b>   | Score    |
| No. 35 Gas Attachment, illustrated on page 82  |           |               |                | 90     | <b>26.25</b>   | Scot     |
| Height from Floor to Top Plate, 33 in. Height from Floor to Top of High Closet, 64 in. |           |               |                |        |                |          |
| Ranges take 24 in. wood.   |           |               |                |        |                |          |





**Style F**

## **Princess Jewel Steel Range**

With Reservoir, Steel High Closet, Towel Bar and Oven Thermometer.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code   |
|--------------|-----------|---------------|--------------------|--------|----------------|--------|
| <b>81-18</b> | Six 8 in. | 18 x 20 x 12½ | 28 x 47½           | 485    | <b>\$89.75</b> | Luni   |
| <b>91-18</b> | Six 9 in. | 18 x 20 x 12½ | 28 x 47½           | 490    | <b>91.00</b>   | Lusty  |
| <b>81-20</b> | Six 8 in. | 20 x 20 x 13½ | 28 x 47½           | 495    | <b>94.75</b>   | Lute   |
| <b>91-20</b> | Six 9 in. | 20 x 20 x 13½ | 28 x 47½           | 500    | <b>96.00</b>   | Luxury |

Height from Floor to Top Plate, 33 in. Height from Floor to Top of High Closet, 64 in.  
Ranges take 24 in. wood.

## Detailed Description of Legal, Noble and Comet Jewel Steel Ranges

### Bodies

Made of Non-Ox metal, with no Japan to burn off. Riveted with Norway iron, cone-head rivets, driven cold by hand, insuring maximum strength and durability.

### Castings

All of sufficient weight and strength to insure durability. Made from Kemi-Test iron, the toughest, smoothest, longest lasting iron known. Tested and analyzed by expert chemists to insure absolutely uniform quality and strength.

### Ovens

Made same width top and bottom. Unusually large, high and deep for ranges at the prices named. Every bit of space can be utilized for baking. Bake quickly with smallest possible amount of fuel. Top of ovens protected by cast plate where they come into direct contact with the flames. No danger of burning out. Dean Patent Double Oven Bottoms.

### Oven Racks

The standard Jewel Steel Wire Oven Racks, which are light, unbreakable, clean and sanitary, furnished with these ranges. You can bake on oven racks and oven bottoms at the same time without the use of extra fuel.

### Oven Doors

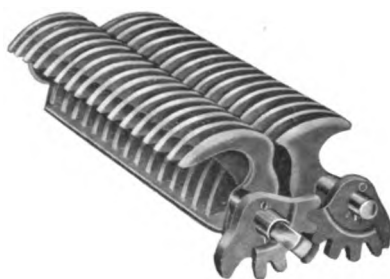
Spring balanced so that they fall to a horizontal position gently, without noise or jar. Full nickeled oven doors on Legal and Noble Jewels. Nickel trimmed oven door on Comet Jewel.



### Duplex Grates

Of the regular Jewel type—the grates that always operate perfectly, that have no frames or tracks to warp or burn out—can be removed instantly through grate door. One movement of the crank cuts out all clinkers and dead ashes, dropping them into the ash pan below.

For burning wood you simply reverse the grate; this makes fire box shallower and brings the fire nearer the top. It is not necessary to remove the linings.



### Fire Boxes

The fire boxes are scientifically proportioned to secure best results from the fuel. Of sufficient depth, width and length to hold fire over night. Oval in shape so there are no "dead" square corners. The linings are made in sections, thus any part or section can be replaced if necessary at minimum cost. Water front furnished if desired. Ranges take 19-inch wood.



#### **Ash Pits**

Sufficiently deep to permit plenty of free air space between top of ash pan and grates. This insures a good fire and also permits accumulation of ashes without exposing grates to danger of burning out.

#### **Tops**

The tops are cast from Kemi-Test metal, both smooth and durable. Made in sections to avoid fire cracks; if ever necessary on account of accidents to replace any part it can be done at minimum expense. The centers are reinforced, as are the covers, the whole being perfectly adapted to the steady hard service sure to be given to ranges of this character. There are no key plates to warp and necessitate expensive repairs.

#### **Dampers**

The vertical damper is not only easily and quickly operated, but is placed out of reach of the flames. The end draft door is provided with sliding damper and when dropped gives full access to full length of fire box. Other dampers are the revolving damper in the first joint of pipe supplied with High Warming Closet.

#### **Hot Water**

Can be furnished by use of water front or interchangeable contact reservoir. This reservoir, which is made of copperized yellow metal, holds 6 $\frac{3}{4}$  gallons and can be attached to range in place of end shelf. Thus buyers may get a stove with reservoir and if they find reservoir unnecessary can substitute end shelf, and vice versa. Dealers can carry a varied stock of these ranges with minimum investment. The fact that the reservoir is detachable also makes ranges extremely easy to handle for delivery. Reservoir fitted with cast lids properly japanned in black, giving additional top surface. Reservoir can be used without interfering with baking.

#### **Flue Clean-Out**

Cast door easily removable just below oven doors. Lip makes perfect fitting air-tight joint.

#### **High Closets**

Of very roomy pattern. Have rolling front doors which operate smoothly. Rigid handle on door. One joint of pipe fitted with check damper furnished with high closet.

#### **Nickel on Legal and Noble Jewel**

Full nickel Oven Doors. Nickel Hopper Feed Cover, Towel Bar, Tea Shelves, High Closet Band, High Closet Corners.

#### **Nickel on Comet Jewel**

Oven Door Handle, Panel and Door Frame. Upper and Lower Nickel Bands on High Closet. Nickel High Closet Handle and Panel.

#### **Skilled Workmen Make These Ranges**

Exacting tests prove that the Legal, Noble and Comfort will give the quality of service the American housewife is looking for. They are sturdy, strong, dependable ranges, built to add lustre to the Jewel reputation for giving the greatest value in the world for the money. They embody the same quality of workmanship as our higher priced ranges. The same careful, scrutinizing inspection system follows them step by step through every department. The same guarantee backs up our faith in them. You can sell them confident that they represent the highest steel range value ever offered for the money—distinctive in style, quality and workmanship, yet low in price.



**Style E**

**Legal Jewel Steel Range**

With End Shelf, High Closet and Towel Bar.

For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven | Top with End Shelf | Weight | List  | Code    |
|---|-----------|--------------|--------------------|--------|-------|---------|
| 82-16   | Six 8 in. | 16 x 18 x 12 | 26 x 36½           | 300    | 59.00 | Macron  |
| 82-18   | Six 8 in. | 18 x 18 x 12 | 26 x 37½           | 315    | 63.00 | Magic   |
| 92-18   | Six 9 in. | 18 x 18 x 12 | 26 x 37½           | 320    | 64.25 | Magnate |
| Water Front, extra, all sizes                 |           |              |                    | 22     | 6.75  | Attest  |
| No. 20 Gas Attachment, illustrated on page 81 |           |              |                    | 35     | 9.25  | Scope   |
| No. 30 Gas Attachment, illustrated on page 81 |           |              |                    | 40     | 11.50 | Score   |
| No. 35 Gas Attachment, illustrated on page 82 |           |              |                    | 90     | 26.25 | Scot    |

Height from Floor to Top Plate, 28½ in. Height from Floor to Top of High Closet, 59 in.

Ranges take 19 in. wood.

See full description, pages 32 and 33.



Style F

## Legal Jewel Steel Range

With Detachable Reservoir, High Closet and Towel Bar.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven | Top with Reservoir | Weight | List    | Code    |
|-------|-----------|--------------|--------------------|--------|---------|---------|
| 82-16 | Six 8 in. | 16 x 18 x 12 | 26 x 41            | 330    | \$72.75 | Magnet  |
| 82-18 | Six 8 in. | 18 x 18 x 12 | 26 x 43¼           | 345    | 76.75   | Magneto |
| 92-18 | Six 9 in. | 18 x 18 x 12 | 26 x 43¼           | 350    | 78.00   | Maid    |

Height from Floor to Top Plate, 28½ in. Height from Floor to Top of High Closet, 59 in.  
Ranges take 19 in. wood.

See full description, pages 32 and 33.



Style E

## Noble Jewel Steel Range

Square with End Shelf, High Closet and Towel Bar.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven | Top with Shelf | Weight | List    | Code      |
|--|-----------|--------------|----------------|--------|---------|-----------|
| 82-16  | Six 8 in. | 16 x 18 x 12 | 26 x 36½       | 300    | \$59.00 | Mallett   |
| 82-18  | Six 8 in. | 18 x 18 x 12 | 26 x 37½       | 315    | 63.00   | Maltese   |
| 92-18  | Six 9 in. | 18 x 18 x 12 | 26 x 37½       | 320    | 64.25   | Manacle   |
| Water Front, extra, all sizes  |           |              |                | 22     | 6.75    | Attenuate |
| No. 20 Gas Attachment, illustrated on page 81  |           |              |                | 35     | 9.25    | Scope     |
| No. 30 Gas Attachment, illustrated on page 81  |           |              |                | 40     | 11.50   | Score     |
| No. 35 Gas Attachment, illustrated on page 82  |           |              |                | 90     | 26.25   | Scot      |
| Height from Floor to Top of Range, 31½ in. Height from Floor to Top of High Closet, 62½ in. Ranges take 19 in. wood. |           |              |                |        |         |           |
| See full description, pages 32 and 33.   |           |              |                |        |         |           |



**Style F**

## **Noble Jewel Steel Range**

With Detachable Reservoir, High Closet and Towel Bar.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.          | Holes     | Size of Oven | Top with Reservoir    | Weight | List           | Code   |
|--------------|-----------|--------------|-----------------------|--------|----------------|--------|
| <b>82-16</b> | Six 8 in. | 16 x 18 x 12 | 26 x 41               | 330    | <b>\$72.75</b> | Main   |
| <b>82-18</b> | Six 8 in. | 18 x 18 x 12 | 26 x 43 $\frac{1}{4}$ | 345    | <b>76.75</b>   | Malaga |
| <b>92-18</b> | Six 9 in. | 18 x 18 x 12 | 26 x 43 $\frac{1}{4}$ | 350    | <b>78.00</b>   | Malar  |

Height from Floor to Top of Range, 31 $\frac{1}{2}$  in. Height from Floor to Top of High Closet, 62 $\frac{1}{2}$  in. Ranges take 19 in. wood.  
See full description, pages 32 and 33.



Style A

## Comet Jewel Steel Range

Square with End Shelf.

For Hard Coal, Soft Coal, Coke or Wood.

| No.  | Holes     | Size of Oven | Top with Shelf | Weight | List           | Code   |
|--|-----------|--------------|----------------|--------|----------------|--------|
| 82-16  | Six 8 in. | 16 x 18 x 12 | 26 x 36½       | 260    | <b>\$40.50</b> | Nab    |
| 82-18  | Six 8 in. | 18 x 18 x 12 | 26 x 37½       | 275    | <b>44.25</b>   | Nacre  |
| 92-18  | Six 9 in. | 18 x 18 x 12 | 26 x 37½       | 280    | <b>45.50</b>   | Nag    |
| Back Guard with two Nickel Teapot Shelves, extra |           |              |                | 10     | <b>2.75</b>    | Natal  |
| Water Front, extra, all sizes                    |           |              |                | 22     | <b>6.75</b>    | Nation |

Height from Floor to Top of Range, 31½ in.

Ranges take 19 in. wood.

See full description, pages 32 and 33.





Style E

## Comet Jewel Steel Range

Square with End Shelf and High Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven | Top with Shelf | Weight | List           | Code   |
|---|-----------|--------------|----------------|--------|----------------|--------|
| 82-16   | Six 8 in. | 16 x 18 x 12 | 26 x 36½       | 295    | <b>\$51.00</b> | Nail   |
| 82-18   | Six 8 in. | 18 x 18 x 12 | 26 x 37½       | 310    | <b>54.75</b>   | Nape   |
| 92-18   | Six 9 in. | 18 x 18 x 12 | 26 x 37½       | 315    | <b>56.00</b>   | Nappy  |
| Water Front, extra, all sizes                 |           |              |                | 22     | <b>6.75</b>    | Nation |
| No. 20 Gas Attachment, illustrated on page 81 |           |              |                | 35     | <b>9.25</b>    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81 |           |              |                | 40     | <b>11.50</b>   | Score  |
| No. 35 Gas Attachment, illustrated on page 82 |           |              |                | 90     | <b>26.25</b>   | Scot   |

Height from Floor to Top of Range, 31½ in. Height from Floor to Top of High Closet, 59 in.  
Ranges take 19 in. wood.

See full description, pages 32 and 33.



Style F

## Comet Jewel Steel Range

With Detachable Reservoir and High Closet.  
For Hard Coal, Soft Coal, Coke or Wood.

| No.   | Holes     | Size of Oven | Top with Reservoir    | Weight | List           | Code   |
|-------|-----------|--------------|-----------------------|--------|----------------|--------|
| 82-16 | Six 8 in. | 16 x 18 x 12 | 26 x 41               | 320    | <b>\$64.75</b> | Native |
| 82-18 | Six 8 in. | 18 x 18 x 12 | 26 x 43 $\frac{1}{4}$ | 335    | <b>68.50</b>   | Natron |
| 92-18 | Six 9 in. | 18 x 18 x 12 | 26 x 43 $\frac{1}{4}$ | 340    | <b>69.75</b>   | Nature |

Height from Floor to Top of Range, 31 $\frac{1}{2}$  in. Height from Floor to Top of High Closet, 59 in.  
Ranges take 19 in. wood.

See full description, pages 32 and 33.

# DETROIT JEWEL GAS RANGES

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**THE LARGEST AND MOST COMPLETE LINE OF GAS  
COOKING AND HEATING APPLIANCES IN THE WORLD**

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***SPECIAL CATALOG OF 122 PAGES***

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**SHOWING OVER 150 STYLES AND DESCRIBING DETROIT  
JEWEL GAS GOODS IN DETAIL SENT UPON REQUEST**

## Standardization and Interchangeability in JEWEL CAST RANGES

### Very Important Advantages

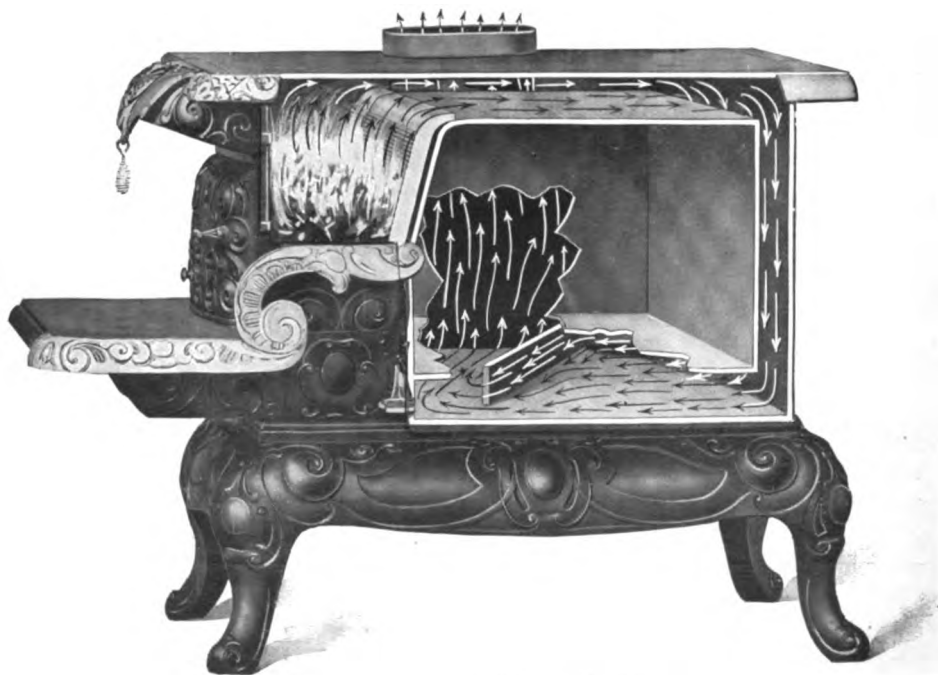
**I**N Cast Ranges as in Steel Ranges interchangeability of parts is a matter of paramount importance to the dealer and user. With this in mind it must be conceded that the many lines of Jewel Cast Ranges adaptable as they are to the requirements of various sections of the country, offer a supremely attractive proposition.

Some time ago we predicted a ready sale for our Plain Finish Ranges. Dealers who put them in stock found that we had understated the demand, as they met with quick appreciation from stove buyers.

The popularity of the Plain Finish Ranges is based upon their highly attractive appearance, remarkable baking efficiency, and the ease with which they can be kept clean and free from dust and grease. Every woman, on the alert to save labor, welcomes these Plain Jewel Cast Ranges. She sees at a glance their many advantages, therefore, they practically sell themselves.

The Splendid and Radium Jewel are splendid examples of the advantages of interchangeability. They are made from one set of fire box linings, same grates, same covers, centers, and top plates. They differ only in details designed to specially adapt them to the requirements of certain sections and desires of different people. The advantage of this interchangeability in furnishing repair parts, etc., is obvious.

In the Medium Price Cast Ranges the same idea is exemplified. We have produced the Silver, Diamond, Quality, Agate and Standard, five (5) distinct ranges. These have the same fire box linings, grates, covers, centers, etc., but vary in finish and in front and end construction.



Flue Construction of all Jewel Cast Ranges

## Splendid Jewel Cast Range

**A distinctive Range with Hearth. Beautiful in Appearance and Built for Long Efficient Service. For the Finest Trade**

For Hard Coal, Soft Coal or Wood.

**I**T is with a great deal of pride we present the Splendid—one of the highest grade and most distinctive designs we have ever put on the market. It offers two very substantial benefits to the housekeeper—extreme cleanliness and extreme durability. Its simple lines bespeak quality, and there is just enough ornamentation to give tone and still make cleaning easy. The size of oven and fire box guarantee high efficiency. With its distinctive style it unites the very latest improvements in cast range construction. Look it over carefully.

### Castings

All cast parts are extra heavy, and are made from JEWEL Kemi-Test iron, which insures smooth, tough, lasting and quick-heating castings. Special care is taken to insure perfect fitting of every part.

### Fire Box

Fire box is extra deep and wide, and correctly proportioned for securing the greatest efficiency from the fuel consumed. It will hold fire over night. Fire brick or cast iron linings can be furnished. Both are made in sections and can be easily removed or replaced. Air space back of linings serves to protect them from burning out. Fire box extension at rear, for long wood, is supplied on every range.

### Duplex Grate

Duplex grate for hard or soft coal; so made that one movement of the crank cuts out the dead ashes and cinders, and drops them into ash pan. Grates are easily removed without disturbing water front or linings. Has no frames or tracks to warp and get out of order.

### Duplex Grate for Wood

Duplex grate, reversed, forms a perfect wood fire bottom. Makes the fire box shallower, and brings fire nearer the top. Removing end linings permits use of 20-inch wood.

### Oven

Large, square, quick baking, cast plate oven. Can be heated evenly with the minimum of fuel. Will bake perfectly on the rack as well as oven bottom. Top plate covered with cement.

### Oven Thermometer



Accurate Oven Thermometer in front of oven door is furnished with each range for telling the temperature of the oven while baking.

### Oven Door

Large, square, tin-lined swing oven door. "Kicker" for automatically opening the oven door is provided, also a convenient cast iron shelf.

### Top

Top surface of the range is extra wide and deep, giving large area of cooking surface.

Top plate is cast in sections, to prevent warping.

Heavy, solid Jewel ring covers, one made in ring sections for reducing size of hole and accommodating different sized utensils; heavy centers and long center, cut to prevent warping. No key plates to warp and necessitate expensive repairing.

### Broiler Feed, Grate and Clean Out Doors

Swinging grate door, when opened, exposes entire grate front, giving easy access for cleaning with poker.

Large swing wood feed door.

Combination hopper and broiler feed door, with draft slide, a great convenience for feeding coal or broiling.

Flue clean out under oven shelf.

### Hearth

Large draw hearth slides out for removing bailed ash pan from roomy ash pit.

### Damper

Easily operated, direct draft, vertical damper with plunger removed from reach of flames.

### Water Fronts

For heating water, powerful water fronts can be had.



### Reservoir

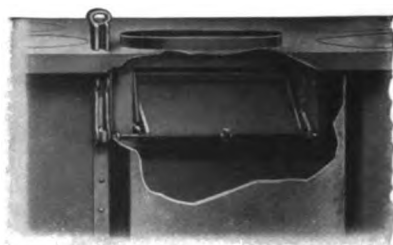
Extra large reservoir, enameled with cast reservoir casing; Japanned and attractively ornamented lids flush with the top of the range. Flue shifting reservoir damper provides a means of quickly heating water in the reservoir, or for quickly heating the oven.

### High Closet

Roomy steel high closet, with rolling front, or convenient cast high shelf. High closet made of Non-Ox Metal, with nickered

bands and ornaments, cast hinges, and two convenient teapot shelves.

One joint of pipe, with check damper, is furnished with high closet.



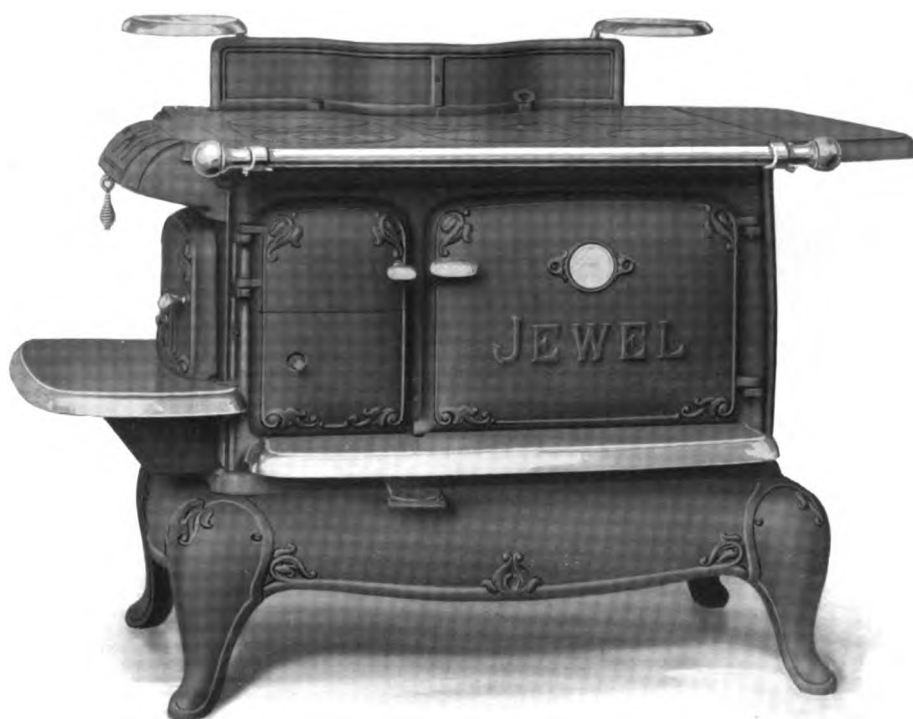
Jewel Vertical Damper

### Jewel Special Nickeling Process

One very important feature in the manufacturing of Jewel stoves is the nickeling process. Parts to be nickeled are placed in nickeling vats and immersed a sufficient length of time to insure their receiving the proper amount of nickel. In cheaply made stoves the nickel parts are hastily dipped and the consequence is only a slight coating of nickel which wears off in a very short time. All nickel on Jewel stoves will wear and stay bright for years. This insures satisfaction to housekeepers.

### Nickered Parts

Hearth and oven door shelf has nickel edge on three sides. Other nickel parts are guard rail; handles on oven door, feed door and grate door; panel on cast high shelf; top band on high shelf; bands on high closet and end castings; panel and handle on rolling front; teapot shelves and ornamental top corner pieces.



Style A

## Splendid Jewel Cast Range

Square with Teapot Shelves, End Shelf, Back Guard and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.                         | Holes     | Size of Oven   | Top with Shelf | Weight | List    | Code   |
|-----------------------------|-----------|----------------|----------------|--------|---------|--------|
| 8-18                        | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 470    | \$77.50 | Naval  |
| 9-18                        | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 475    | 78.75   | Navy   |
| 8-20                        | Six 8 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 505    | 82.50   | Neat   |
| 9-20                        | Six 9 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 510    | 83.75   | Nestle |
| Cast Iron High Shelf, extra |           |                |                | 40     | 8.00    | New    |
| Water Front, extra          |           |                |                | 30     | 8.00    | Nib    |

Height from Floor to Top Plate. 32 in.

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick ordered.



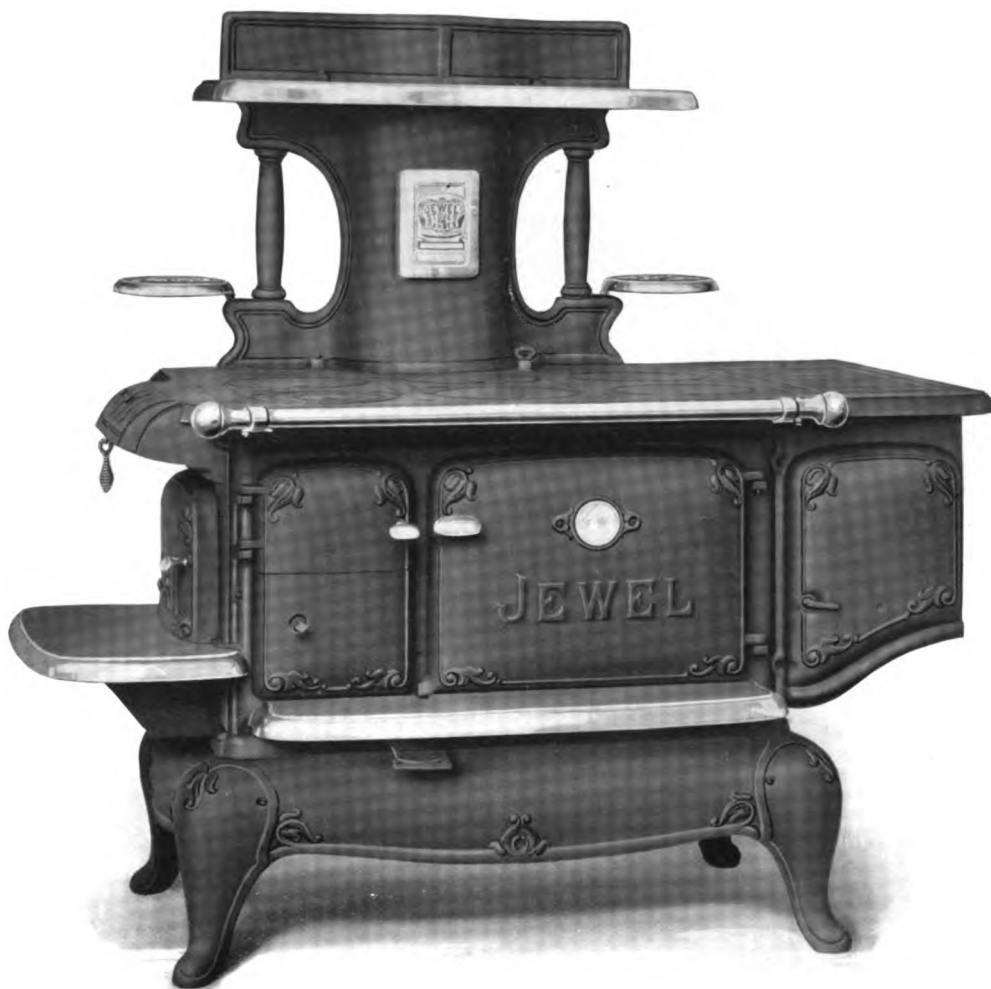
Style E

## Splendid Jewel Cast Range

Square with Steel High Closet, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven   | Top with Shelf | Weight | List    | Code  |
|---|-----------|----------------|----------------|--------|---------|-------|
| 8-18  | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 520    | \$92.00 | Nib   |
| 9-18  | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 525    | 93.25   | Nice  |
| 8-20  | Six 8 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 555    | 97.00   | Nitro |
| 9-20  | Six 9 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 560    | 98.25   | Nob   |
| No. 20 Gas Attachment, illustrated on page 81                                   |           |                |                | 35     | 9.25    | Scope |
| No. 30 Gas Attachment, illustrated on page 81                                   |           |                |                | 40     | 11.50   | Score |
| No. 36 Gas Attachment, illustrated on page 82                                   |           |                |                | 120    | 40.00   | Scrub |
| Height from Floor to Top Plate, 32 in. Height from Floor to High Closet, 63 in. |           |                |                |        |         |       |
| Specify whether Brick or Cast Iron Fire Box Linings are wanted.                 |           |                |                |        |         |       |
| Cast Linings shipped unless Brick ordered.                                      |           |                |                |        |         |       |





**Style K**

## **Splendid Jewel Cast Range**

With Reservoir, Teapot Shelves, Cast High Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven   | Top with Reservoir | Weight | List            | Code   |
|------|-----------|----------------|--------------------|--------|-----------------|--------|
| 8-18 | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 580    | <b>\$101.25</b> | Nobby  |
| 9-18 | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 585    | <b>102.50</b>   | Novel  |
| 8-20 | Six 8 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 615    | <b>106.25</b>   | Nugget |
| 9-20 | Six 9 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 620    | <b>107.50</b>   | Numb   |

Height from Floor to Top Plate, 32 in. Height from Floor to Top of High Shelf, 54 in.

Specify whether Brick or Cast Iron Fire Box Linings are wanted.

Cast Linings shipped unless Brick ordered.



Style F

## Splendid Jewel Cast Range

With Reservoir, Steel High Closet and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven   | Top with Reservoir | Weight | List   | Code  |
|------|-----------|----------------|--------------------|--------|--------|-------|
| 8-18 | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 590    | 107.75 | Numb  |
| 9-18 | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 595    | 109.00 | Nurse |
| 8-20 | Six 8 in. | 20 x 20½ x 12½ | 28¼ x 46¾          | 625    | 112.75 | Nymph |
| 9-20 | Six 9 in. | 20 x 20½ x 12½ | 28¼ x 46¾          | 630    | 114.00 | Oak   |

Height from Floor to Top Plate, 32 in. Height from Floor to Top of High Closet, 63 in.

Specify whether Brick or Cast Iron Fire Box Linings are wanted.

Cast Linings shipped unless Brick ordered.

## **Radium Jewel Cast Ranges**

**Newest Style. Sanitary Finish. Easily Cleaned. Drop Oven Door. No Hearth.**

For Hard Coal, Soft Coal, Coke or Wood

**A** FULL size, extra heavy, large cast range that combines the compactness and convenience of a steel range with the well-known durability of a high-grade cast range. This is a range that sells without argument. Its appearance, style and finish speak for themselves. As far as baking efficiency and fuel economy are concerned, it is not surpassed by any cast range manufactured. There is a live demand for this type of range, and it is growing fast, because the Radium has all the qualities that appeal to the experienced housewife.

### **Castings**

Made from Kemi-Test iron—a fine grade of pure iron, chemically analyzed and tested to insure uniform quality, strength and durability.

### **Fire Box**

Is of proper length, width and depth, oval in shape and has no "dead corners." It is so perfectly proportioned that fire can be kept over night without trouble, and baking quickly and evenly done. Heavy sectional linings are easily removed and protected against burning out by a ventilating air space behind the back sections. Fire box will accommodate 20-inch wood and is equipped with a Drop Feed Wood Door.

### **Duplex Grate**

Is a model of strength and ease of operation. One turn of the crank cuts out all clinkers and ashes, dropping them into the ash pan below. No frames or tracks to warp and crack. Only two bars exposed to the fire. To burn wood simply reverse grate; makes the fire box shallower and brings fire nearer the top.

### **Square Oven**

Extra large in size. Perfect baking is assured because of the Jewel Direct Acting Flue Construction (see page 42). Oven top is protected by asbestos cement and oven is equipped with a durable wire oven rack, easily kept clean.

### **Drop Oven Door**

Square door lined flush with black refined steel. Is spring poised so that it drops without slamming or banging and opens flush with the oven door forming a shelf convenient for basting, etc. Provided with ventilating door catch. Equipped with a thermometer which tells temperature of oven at all times.

### **Top Plate**

Is extra large and provided with six cooking holes. Made with cut centers, in sections to provide for expansion and contraction without cracking. One reducing ring cover.

### **Guard Rail**

Removable nickel guard rail extends across the front of the top plate, thus preventing clothes of operator from coming in contact with the stove.

### **Plunger Oven Damper**

In combination with the other dampers gives perfect control of the fire so that this range can be operated with satisfaction and economy at all times.

### **Ash Pit**

Much larger than those found in ordinary cast ranges. Provided with a heavy steel bailed ash pan with strong handle. Swinging ash pit door.

### **Pouch Feed and Grate Door**

Sufficiently large in size so that fire can be fed without removing lids. The pouch feed door is provided with draft slide to regulate the fire. This door can also be used for broiling or toasting. Grate door with draft slide shutter drops exposing the full length of fire box for poking or cleaning the fire.

### **Reservoir**

Extra large reservoir. Porcelain lined and encased with heavy casings. Provides a sufficient supply of warm water at all times.

### **Nickel Parts**

Hearth, Guard Rail, Oven Door Handle, Feed and Ash Pit Door Handles, Teapot Shelves, Panel on Cast High Shelf, Top Band on High Shelf, Bands on High Closet and end castings, Ornamental top corner pieces.



Style A

## Radium Jewel Cast Range

Square with Back Guard, End Shelf, Teapot Shelves and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.                | Holes     | Size of Oven   | Top with Shelf | Weight | List  | Code   |
|--------------------|-----------|----------------|----------------|--------|-------|--------|
| 8-18               | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 460    | 75.00 | Obey   |
| 9-18               | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 465    | 76.25 | Obtuse |
| 8-20               | Six 8 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 485    | 80.00 | Octave |
| 9-20               | Six 9 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 490    | 81.25 | Olive  |
| Water Front, extra |           |                |                | 30     | 8.00  | Nib    |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick ordered.



Style E

## Radium Jewel Cast Range

Square with Steel High Closet, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven   | Top with Shelf | Weight | List           | Code    |
|---|-----------|----------------|----------------|--------|----------------|---------|
| 8-18  | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 510    | <b>\$89.50</b> | Olympic |
| 9-18  | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 40½      | 515    | <b>90.75</b>   | Omega   |
| 8-20  | Six 8 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 535    | <b>94.50</b>   | Omelet  |
| 9-20  | Six 9 in. | 20 x 20½ x 12½ | 28¼ x 42½      | 540    | <b>95.75</b>   | Opal    |
| Water Front, extra                            |           |                |                | 30     | <b>8.00</b>    | Nib     |
| No. 20 Gas Attachment, illustrated on page 81 |           |                |                | 35     | <b>9.25</b>    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81 |           |                |                | 40     | <b>11.50</b>   | Score   |
| No. 36 Gas Attachment, illustrated on page 82 |           |                |                | 120    | <b>40.00</b>   | Screen  |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick ordered.



Style K

## Radium Jewel Cast Range

With Reservoir, Cast High Shelf, Teapot Shelves and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven   | Top with Reservoir | Weight | List     | Code    |
|------|-----------|----------------|--------------------|--------|----------|---------|
| 8-18 | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 585    | \$ 98.75 | Sard    |
| 9-18 | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 590    | 100.00   | Sash    |
| 8-20 | Six 8 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 615    | 103.75   | Saunter |
| 9-20 | Six 9 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 620    | 105.00   | Savage  |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Iron shipped unless Brick ordered.



**Style F**

## **Radium Jewel Cast Range**

With Reservoir, Steel High Closet and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.         | Holes     | Size of Oven   | Top with Reservoir | Weight | List            | Code   |
|-------------|-----------|----------------|--------------------|--------|-----------------|--------|
| <b>8-18</b> | Six 8 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 585    | <b>\$105.25</b> | Scale  |
| <b>9-18</b> | Six 9 in. | 18 x 19½ x 12½ | 26¾ x 44¾          | 590    | <b>106.50</b>   | Scamp  |
| <b>8-20</b> | Six 8 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 625    | <b>110.25</b>   | Scarce |
| <b>9-20</b> | Six 9 in. | 20 x 20½ x 12½ | 28¾ x 46¾          | 630    | <b>111.50</b>   | Scout  |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick ordered.

## Jewel Sheet Flue Construction

### Insures Perfect Baking and Great Fuel Economy

**T**HE Flue construction of a range is often overlooked by both dealer and buyer, when as a matter of fact it is entitled to the most careful consideration, for upon the even and effective DISTRIBUTION of the HEAT depends the baking efficiency, and fuel economy of the range.

The Jewel Sheet Flue Construction illustrated below has four distinct advantages: (1) By reason of heating FIVE SIDES of the oven instead of four, it gives an even temperature in every part of the oven, insuring perfect baking on oven rack and oven bottom at the same time. (2) Heat is carried direct from the fire box over the oven top in one solid sheet so that all six holes in cast top can be utilized for cooking. (3) It is less liable to become choked up with soot than the old style, cheaper, half size flue constructions, and is at all times easier to clean out. (4) By even distribution of heat it insures maximum fuel economy and quick baking.

Please note that there is ONE large flue. It is not divided by a center strip into two small flues, as is the case with cheaper constructions. It is ONE large, open, powerful flue. Down this wide flue the heat and flames are carried in one sheet, sweeping across the bottom of the oven diagonally towards the front and around the flue strip to the oven back and up the oven back to the smoke flue. The Jewel Sheet Flue Construction thus gives highest efficiency and the largest possible benefit from the fuel consumed. From the illustration you will note that the BACK of the oven, which is left cold in cheaper constructions, in all Jewel Ranges is thoroughly heated. The clean-out door is at the front of the range, where it is easily accessible.

The oven bottoms of Jewel Ranges are made in two pieces, thus preventing cracking or warping, and the oven tops are properly protected.



Sectional View Showing Jewel Sheet Flue Construction.



## Silver Jewel Cast Range

### Highly Nickeled Drop Oven Door Range, without Hearth

For Hard Coal, Soft Coal or Wood.

**T**HE Silver Jewel is a highly nickeled cast range built to supply the growing demand for a range of this character. It has no end hearth, thus economizing in space, as range is operated entirely from the front. One of the most attractive ranges we have ever built and is Jewel standard construction and value throughout.

#### Castings

Are made from Jewel Kemi-Test metal, the smoothest, strongest, longest-lasting iron ever produced for stove castings. Made from a special mixture chemically analyzed and tested to insure uniform quality and strength. All joints are cemented—every joint air-tight.

#### Fire Box

Is oval in shape and of correct size to secure highest baking efficiency. Sectional iron linings have air space behind back, insuring durability. Brick linings for hard coal furnished if desired. Fire box has extension for burning wood and cast end linings can be easily removed.

#### Duplex Grate

The Jewel Duplex Grate furnished with this range is efficient, easy to operate and economical. One turn of shaker or operating handle cuts out all clinkers and ashes. Easily removed without disturbing the linings. No frames to warp and bind. Reversed, makes a good wood fire bottom.

#### Square Oven

Will bake on oven rack and oven bottom at the same time. Oven bottom is made in two pieces to allow for expansion and contraction. Oven plates are all skillfully fitted and of uniform thickness to insure perfect baking in every part.

#### Oven Door

Is steel lined and opens flush with oven bottom, making a convenient shelf. Spring balanced, avoiding jarring and breakage. Oven thermometer shows accurately degree of heat in oven.

#### Flue Construction

Jewel sheet flue construction, the most efficient and economical. Described page 54.

#### Control

Direct draft vertical damper is of very simple design and construction and easily operated. Handle is entirely removed from reach of heat and flames. End draft door full length of fire box. Check damper in pouch feed.

#### Top Plate

Top plate is cast in sections to prevent cracking or warping. Should any part be broken it can be replaced at minimum expense. Cut long center is reinforced, giving maximum strength. Covers are extra heavy and one reducing cover to accommodate different sized utensils is furnished with each range.

#### Special Points

Steel wire oven rack, light, strong, durable and easily kept clean. Hinged flue door just below oven door is instantly accessible. Flues can be cleaned quickly without any trouble, clean-out door being in front of range. Ash pan is unusually large. Finely modeled cast base and legs. Solid end shelf.

#### Nickeled Parts

Full nickel oven door, ash pit door and fire door. Nickel panel on reservoir, guard rail, teapot shelves, high closet brackets, band and ends. Panel and handle on rolling front, ornamental corner top pieces.

#### High Closets and Shelves

Made of Blue Planished Steel with nickeled teapot shelves. Handsomely nickeled trimmings. First joint of pipe with damper accompanies each high closet. Ornamental Colonial pattern cast High Shelf with removable metal edge.



Style E

## Silver Jewel Cast Range

Square with Steel High Closet, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|---|-----------|---------------|----------------|--------|---------|--------|
| 82-18   | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 400    | \$81.50 | Optic  |
| 92-18   | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 405    | 82.75   | Opus   |
| 82-20   | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 440    | 86.50   | Oral   |
| 92-20   | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 445    | 87.75   | Orchid |
| Water Front, extra                            |           |               |                | 25     | 6.75    | Nib    |
| No. 20 Gas Attachment, illustrated on page 81 |           |               |                | 35     | 9.25    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81 |           |               |                | 40     | 11.50   | Score  |
| No. 34 Gas Attachment, illustrated on page 81 |           |               |                | 90     | 26.25   | Scull  |



**Style F**

## **Silver Jewel Cast Range**

With Reservoir, Steel High Closet and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List            | Code    |
|--------------|-----------|---------------|--------------------|--------|-----------------|---------|
| <b>82-18</b> | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 480    | <b>\$ 97.25</b> | Ostrich |
| <b>92-18</b> | Six 9 in. | 18 x 19 x 11½ | 27½ x 44           | 485    | <b>98.50</b>    | Ounce   |
| <b>82-20</b> | Six 8 in. | 20 x 20 x 12½ | 29½ x 46½          | 540    | <b>102.25</b>   | Pace    |
| <b>92-20</b> | Six 9 in. | 20 x 20 x 12½ | 29½ x 46½          | 545    | <b>103.50</b>   | Packet  |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.

## Diamond Jewel Cast Range

### Handsomely Ornamented, Finely Carved Six-Hole Range at a Moderate Price

For Hard Coal, Soft Coal or Wood.

**T**HE vital points in cast range construction are the castings, the fire box, the flue construction, the mounting and fitting. The DIAMOND JEWEL presents an unusually strong combination of these five vital points, with beauty and low price. It is one of our most popular sellers. The Diamond, Silver, Standard and Agate Jewel are examples of the Jewel plan of standardization and interchangeability of parts. The same fire box linings, grates and top plates are used as the basis of all four stoves.

#### **Castings**

Are made from Jewel Kemi-Test metal, the smoothest, strongest, longest lasting iron ever produced for stove castings. Made from a special mixture chemically analyzed and tested to insure uniform quality and strength. All joints are cemented—every joint air-tight.

#### **Fire Box**

Is oval in shape and of correct size to secure highest baking efficiency. Sectional iron linings have air space behind back, insuring durability. Brick linings for hard coal furnished if desired. Fire box has extension for burning wood and cast end linings can be easily removed.

#### **Jewel Duplex Grate**

Furnished with this range is efficient, easy to operate and economical. One turn of shaker or operating handle cuts out all clinkers and ashes. Easily removed without disturbing the linings. No frames to warp and bind. Reversed, makes a good wood fire bottom.

#### **Square Oven**

Will bake on oven rack and oven bottom at the same time. Oven bottom is made in two pieces to allow for expansion and contraction. Oven plates are all skillfully fitted and of uniform thickness to insure perfect baking in every part.

#### **Oven Door**

Is aluminized inside. Ornamented with handsome nickeled panel and handle. Oven door "kicker" for automatically opening oven door with the foot.

#### **Flue Construction**

The Diamond Jewel embodies the Jewel Sheet flue construction, which is at once the most efficient and most economical flue construction ever designed. Fully described and illustrated on page 54.

#### **Control**

Direct draft vertical damper is of very simple design and construction and easily operated. Handle is entirely removed from reach of heat and flames, and draft door

full length of fire box. Check damper in pouch feed.

#### **Top Plate**

Top plate is cast in sections to prevent cracking or warping. Should any part be broken it can be replaced at minimum expense. Cut long center is reinforced, giving maximum strength. Covers are extra heavy and one reducing cover to accommodate different sized utensils is furnished with each range.

#### **Hearth**

Hearth pulls out full width, exposing entire ash pit, which is equipped with a large bailed ash pan.

#### **Special Points**

Steel wire oven rack, light, strong, durable and easily kept clean. Oven shelf is handsomely nickeled, fits firmly in place without bolts, screws or nuts and is removable without the aid of tools. Hinged flue door just below oven shelf is instantly accessible. Flues can be cleaned quickly without any trouble, clean-out door being in front of range.

#### **Reservoir or Water Front**

White enameled reservoir of ample size furnishes plenty of hot water. Flue shifting reservoir damper turns heat to and from reservoir. Reservoir top is flush with top of range. Covers are japanned and ornamented in colors. Water front, furnished when ordered, is of the Jewel straight type and heats water quickly.

#### **High Closets and Shelves**

Made of Non-Ox Metal with nickeled teapot shelves. Handsome nickeled trimmings. First joint of pipe with damper accompanies each high closet. Ornamental Colonial pattern cast High Shelf with removable metal edge.

#### **Nickeled Parts**

Oven door panel, oven door handle, fire door handle, teapot shelves, steel edge band with ornamental cast corners. Outside oven shelf, cast edge of hearth, towel rod. Alaska knobs. Brackets on high closet. Bands on high closet and end castings.



Style A

## Diamond Jewel Cast Range

With Back Guard, Teapot Shelves and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.                          | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|------------------------------|-----------|---------------|----------------|--------|---------|--------|
| 82-16                        | Six 8 in. | 16 x 16 x 10½ | 26½ x 38½      | 325    | \$52.75 | Wallet |
| 82-18                        | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 365    | 57.75   | Wallop |
| 82-20                        | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 400    | 62.75   | Wallow |
| 92-20                        | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 405    | 64.00   | Walnut |
| Cast High Shelf, extra       |           |               |                | 40     | 8.00    | Wampum |
| Water Front, any size, extra |           |               |                | 20     | 6.75    | Walrus |



Style E

## Diamond Jewel Cast Range

Square with Steel High Closet and End Shelf.

For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code    |
|--|-----------|---------------|--------------------|--------|---------|---------|
| 82-16  | Six 8 in. | 16 x 16 x 10½ | 26½ x 38½          | 375    | \$68.50 | Palmate |
| 82-18  | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½          | 415    | 73.50   | Panacea |
| 82-2J  | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½          | 450    | 78.50   | Panel   |
| 92-20  | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½          | 455    | 79.75   | Papaw   |
| Water Front, extra   |           |               |                    | 20     | 6.75    | Coal    |
| No. 20 Gas Attachment, illustrated on page 81                      |           |               |                    | 35     | 9.25    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81                      |           |               |                    | 40     | 11.50   | Score   |
| No. 34 Gas Attach., (18 and 20 sizes only), illustrated on page 81 |           |               |                    | 90     | 26.25   | Scull   |



Style B

## Diamond Jewel Cast Range

With Reservoir, Back Guard and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code |
|--------------|-----------|---------------|--------------------|--------|----------------|------|
| <b>82-18</b> | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 430    | <b>\$72.25</b> | Ring |
| <b>82-20</b> | Six 8 in. | 20 x 20 x 12½ | 29½ x 47           | 465    | <b>77.25</b>   | Rink |
| <b>92-20</b> | Six 9 in. | 20 x 20 x 12½ | 29½ x 47           | 465    | <b>78.50</b>   | Riot |



Style K

## Diamond Jewel Cast Range

With Reservoir, High Shelf and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code  |
|-------|-----------|---------------|--------------------|--------|---------|-------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44½          | 455    | \$80.25 | Roam  |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 47           | 485    | \$85.25 | Roast |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 47           | 490    | \$86.50 | Robe  |





Style F

## Diamond Jewel Cast Range

With Reservoir and Steel High Closet.

For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code      |
|-------|-----------|---------------|--------------------|--------|---------|-----------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44½          | 480    | \$88.00 | Papoose   |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 47           | 510    | 93.00   | Paramount |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 47           | 515    | 94.25   | Parish    |

# Quality Jewel Cast Range

## Plain Finish Six-Hole Range with Cast Base and Large Square Oven

For Hard Coal, Soft Coal or Wood.

**T**HE Quality Jewel is one of our celebrated "plain finish" line which has won such distinct national popularity. It is one of the neatest, simplest, most attractive ranges sold. All castings are smooth and plain, giving the popular "Colonial" or "Mission" effect. If you want to realize just what remarkable value is concentrated in this stove, just compare. Remember, linings, top, grates, firebox, etc., are standardized and interchangeable.

### Castings

Are all made from our exclusive Kemi-Test iron, the toughest, smoothest grained, longest lasting iron ever used by a stove manufacturer. Every melt chemically analyzed and tested to insure uniform quality and strength.

### Cut Sectional Top

Made in sections, allowing for expansion and contraction. Any part can be inexpensively replaced. Heavy ribbed covers. One reducing or ring cover with each range.

### Oval Fire Box

Has no "dead" corners and is of proper length and depth. Sectional cast linings with air space back of flue back. Air holes top and bottom provide heated air which, mixing with gases over fire, assist in securing perfect combustion, insuring great fuel economy.

### Duplex Grates

Of standard Jewel pattern. Simplest in design. Efficient, economical and durable. One turn of crank or shaker cuts out all cinders and ashes, dumping them in ash pan below. No tracks or frames to warp, crack and necessitate expensive repairs. Grate pulls out without removing linings. Reversible for wood.

### Large Square Oven

Is full size and will bake perfectly in every part as a result of direct acting sheet flue construction and uniform thickness of castings. Oven top is ribbed pattern, asbestos cement covered. Oven bottom is two-piece construction, which allows for contraction and expansion.

### Oven Rack

Made of steel wire, light, strong, durable. Does not interfere with the heat. Easily kept clean.

### Oven Door

Is square, swings open and has accurate oven thermometer. All fitting edges are ground; no cold air can get in to chill oven and spoil baking.

### Direct Acting Flue Construction

Of this stove is illustrated and described on page 54. This is the most efficient and desirable flue construction known. Easily cleaned. Never chokes up. Flue clean-out in front of stove beneath oven door shelf, where it is instantly and easily accessible. No trouble to clean out this stove.

### Sliding Draw Hearth

Slides full width. Swing grate door gives free access to entire grate. Roomy ash pit has bailed ash pan of ample size.

### Direct Draft Damper

Is of simple, strong construction. Cannot get out of order and will not burn out or warp, because it is out of reach of flames and heat.

### Cast Base

Handsomely modeled cast base. Gives stove rigid support. Will last a lifetime. Heavy cast legs.

### Cast Back Guard

Plain Colonial design with nickel teapot shelves furnished with each range shipped without high closet or high shelf.

### Large Reservoir or Water Front

Reservoir is enameled inside and of ample size to furnish hot water required. Reservoir damper turns heat to and from reservoir. Top of reservoir is flush with range top. Japanned covers are prettily ornamented in colors. Straight water front furnished if wanted.

### Other Good Points

Pouch feed with draft slide. Outside oven door shelf with nickel edge. Nickered oven door handle. Removable guard rail. All plates skillfully fitted so that every joint is air-tight. No waste of fuel from leaky joints. Plain, smooth end shelf, giving additional top surface. Nickel edge on hearth.

### High Closet

Made of Non-Ox Metal. Rigid handle. Rolling door. Colonial pattern high shelf.



Style A

## Quality Jewel Cast Range

Square with Back Guard, Teapot Shelves, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.                | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code    |
|--------------------|-----------|---------------|----------------|--------|---------|---------|
| 82-18              | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 380    | \$61.00 | Cab     |
| 92-18              | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 385    | 62.25   | Quaker  |
| 82-20              | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 415    | 66.00   | Cabal   |
| 92-20              | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 420    | 67.25   | Cabbage |
| Water Front, extra |           |               |                | 25     | 6.75    | Coal    |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.

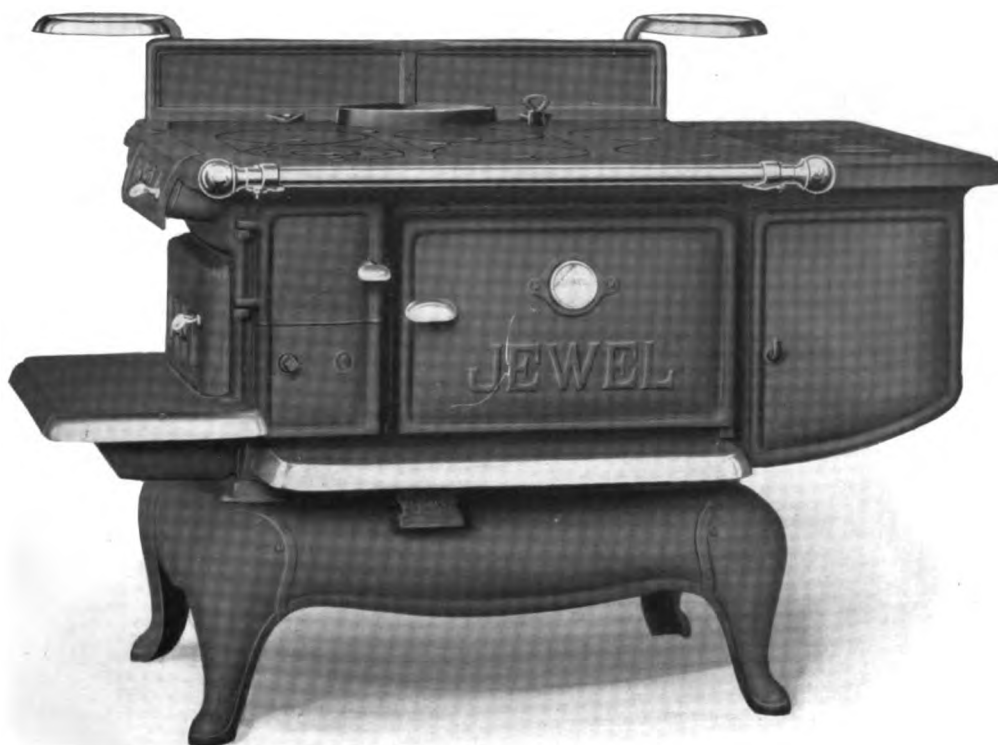


**Style E**

## **Quality Jewel Cast Range**

Square with High Closet, Teapot Shelves, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code         |
|---|-----------|---------------|----------------|--------|----------------|--------------|
| <b>82-18</b>                                  | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 425    | <b>\$75.50</b> | <b>Queer</b> |
| <b>92-18</b>                                  | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 430    | <b>76.75</b>   | <b>Queen</b> |
| <b>82-20</b>                                  | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 460    | <b>80.50</b>   | <b>Quill</b> |
| <b>92-20</b>                                  | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 465    | <b>81.75</b>   | <b>Quire</b> |
| Water Front, extra                            |           |               |                | 25     | <b>6.75</b>    | <b>Coal</b>  |
| No. 20 Gas Attachment, illustrated on page 81 |           |               |                | 35     | <b>9.25</b>    | <b>Scope</b> |
| No. 30 Gas Attachment, illustrated on page 81 |           |               |                | 40     | <b>11.50</b>   | <b>Score</b> |
| No. 34 Gas Attachment, illustrated on page 81 |           |               |                | 90     | <b>26.25</b>   | <b>Scull</b> |



**Style B**

## **Quality Jewel Cast Range**

With Reservoir, Back Guard, Teapot Shelves and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code   |
|--------------|-----------|---------------|--------------------|--------|----------------|--------|
| <b>82-18</b> | Six 8 in. | 18 x 19 x 11½ | 27½ x 44½          | 445    | <b>\$75.50</b> | Cabby  |
| <b>92-18</b> | Six 9 in. | 18 x 19 x 11½ | 27½ x 44½          | 450    | <b>76.75</b>   | Rill   |
| <b>82-20</b> | Six 8 in. | 20 x 20 x 12½ | 29½ x 46½          | 475    | <b>80.50</b>   | Cabdom |
| <b>92-20</b> | Six 9 in. | 20 x 20 x 12½ | 29½ x 46½          | 480    | <b>81.75</b>   | Cabful |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.



Style F

## Quality Jewel Cast Range

With Reservoir, Steel High Closet and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code   |
|-------|-----------|---------------|--------------------|--------|---------|--------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44½          | 490    | \$90.00 | Quoit  |
| 92-18 | Six 9 in. | 18 x 19 x 11½ | 27½ x 44½          | 495    | 91.25   | Race   |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 46½          | 520    | 95.00   | Rack   |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 46½          | 525    | 96.25   | Racoon |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.

## Agate Jewel Cast Range

### A High Grade, Square Oven Range With Removable False Hearth and Ash Pit under Fire Box

For Hard Coal, Soft Coal or Wood.

**T**HE AGATE JEWEL has removable end shelf or hearth and draw-out front ash pan, requiring but small space in kitchen. The range is of high class construction throughout and represents the very latest ideas in an ornamental cast range. It embodies the Jewel idea of standardized interchangeable fire box linings, grates, tops, covers, centers, etc.

#### Castings

Are made from Jewel Kemi-Test metal, the smoothest, strongest, longest-lasting iron ever produced for stove castings. Made from a special mixture chemically analyzed and tested to insure uniform quality and strength. All joints are cemented—every joint air-tight.

#### Fire Box

Is oval in shape and of correct size to secure highest baking efficiency. Sectional iron linings have air space behind back, insuring durability. Brick linings for hard coal furnished if desired. Fire box has extension for burning wood and cast end linings can be easily removed.

#### Duplex Grate

The Jewel Duplex Grate furnished with this range is efficient, easy to operate and economical. One turn of shaker or operating handle cuts out all clinkers and ashes. Easily removed without disturbing the linings. No frames to warp and bind. Reversed, makes a good wood fire bottom.

#### Square Oven

Will bake on oven rack and oven bottom at the same time. Oven bottom is made in two pieces to allow for expansion and contraction. Oven plates are all skilfully fitted and of uniform thickness to insure perfect baking in every part.

#### Oven Door

Is aluminized inside. Ornamented with handsome nickeled panel and handle. Oven door "kicker" for automatically opening oven door with foot.

#### Oven Rack, Shelf and Flue Door

Steel wire oven rack, light, strong, durable and easily kept clean. Oven shelf is handsomely nickeled, fits firmly in place without bolts, screws or nuts and is removable without the aid of tools. Hinged flue door

just below oven shelf is instantly accessible. Flues can be cleaned quickly without any trouble, clean-out door being in front of range.

#### Control

Direct draft vertical damper is of very simple design and construction and easily operated. Handle is entirely removed from reach of heat and flames. End draft door full length of fire box. Check damper in pouch feed.

#### Top Plate

Top plate is cast in sections to prevent cracking or warping. Should any part be broken it can be replaced at minimum expense. Cut long center is reinforced, giving maximum strength. Covers are extra heavy and one reducing cover to accommodate different sized utensils is furnished with each range.

#### Reservoir or Water Front

White enameled reservoir of ample size furnishes plenty of hot water. Flue shifting reservoir damper turns heat to and from reservoir. Reservoir top is flush with top of range. Covers are japanned and ornamented in colors. Water front, furnished when ordered, is of the Jewel straight type and heats water quickly.

#### High Closet and Shelves

Made of Non-Ox Metal with nickeled teapot shelves. Handsome nickeled trimmings. First joint of pipe with damper accompanies each high closet. Ornamented Colonial pattern cast High Shelf with removable metal edge.

#### Other Nickeled Parts

Oven Door panel, Oven Door handle, Fire Door handle, Teapot shelves, Steel Edge Band with ornamented cast corners. Outside oven shelf, towel rod, Alaska knobs.



**Style A**

## **Agate Jewel Cast Range**

Square, with Back Guard, Teapot Shelves, and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.                          | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code    |
|------------------------------|-----------|---------------|----------------|--------|----------------|---------|
| <b>82-18</b>                 | Six 8 in. | 18 x 19 x 11½ | 27½ x 40       | 340    | <b>\$52.50</b> | Waylay  |
| <b>82-20</b>                 | Six 8 in. | 20 x 20 x 12½ | 29½ x 42       | 380    | <b>57.50</b>   | Wayward |
| <b>92-20</b>                 | Six 9 in. | 20 x 20 x 12½ | 29½ x 42¼      | 385    | <b>58.75</b>   | Weal    |
| Water Front, any size, extra |           |               |                | 20     | <b>6.75</b>    | Walrus  |





**Style E**

## **Agate Jewel Cast Range**

Square, with Steel High Closet and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code   |
|---|-----------|---------------|----------------|--------|----------------|--------|
| 82-18   | Six 8 in. | 18 x 19 x 11½ | 27½ x 40       | 390    | <b>\$68.25</b> | Rag    |
| 82-20   | Six 8 in. | 20 x 20 x 12½ | 29½ x 42       | 430    | <b>73.25</b>   | Rage   |
| 92-20   | Six 9 in. | 20 x 20 x 12½ | 29½ x 42       | 435    | <b>74.50</b>   | Raid   |
| Water Front, any size, extra                                      |           |               |                | 20     | <b>6.75</b>    | Walrus |
| No. 20 Gas Attachment, illustrated on page 81                     |           |               |                | 35     | <b>9.25</b>    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81                     |           |               |                | 40     | <b>11.50</b>   | Score  |
| No. 34 Gas Attach. (18 and 20 sizes only), illustrated on page 81 |           |               |                | 90     | <b>26.25</b>   | Scull  |



Style B

## Agate Jewel Cast Range

With Reservoir, Back Guard and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven               | Top with Reservoir                  | Weight | List           | Code  |
|--------------|-----------|----------------------------|-------------------------------------|--------|----------------|-------|
| <b>82-18</b> | Six 8 in. | 18 x 19 x 11 $\frac{1}{2}$ | 27 $\frac{1}{2}$ x 44               | 430    | <b>\$57.00</b> | Rice  |
| <b>82-20</b> | Six 8 in. | 20 x 20 x 12 $\frac{1}{2}$ | 29 $\frac{1}{2}$ x 47               | 465    | <b>72.00</b>   | Rifle |
| <b>92-20</b> | Six 9 in. | 20 x 20 x 12 $\frac{1}{2}$ | 29 $\frac{1}{2}$ x 47 $\frac{1}{4}$ | 465    | <b>73.25</b>   | Rigid |



Style K

## Agate Jewel Cast Range

With Reservoir, High Shelf and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code      |
|-------|-----------|---------------|--------------------|--------|---------|-----------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 420    | \$75.00 | Weariness |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 47           | 480    | 80.00   | Wearisome |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 47¼          | 485    | 81.25   | Weary     |



Style F

## Agate Jewel Cast Range

With Reservoir and Steel High Closet.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code    |
|-------|-----------|---------------|--------------------|--------|----------------|---------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 450    | <b>\$82.75</b> | Rail    |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 47           | 510    | <b>87.75</b>   | Raiment |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 47¼          | 515    | <b>89.00</b>   | Rake    |

## Standard Jewel Cast Range

### Plain Finish Six-Hole Square Oven Range with Drop Door

For Hard Coal, Soft Coal or Wood.

**T**HE STANDARD JEWEL has no end hearth, thus economizing in space, as range is operated entirely from front. The plain finish drop oven door is fitted with an oven thermometer and a rigid Colonial style handle, and the range presents a singularly attractive appearance. The Standard Jewel has our direct-acting, sheet flue construction, guaranteeing perfect baking and fuel economy. In general interior construction is the same as the Diamond, Quality and Agate. It has the same standardized parts and the same large square oven.

#### Castings

Are made from Jewel Kemi-Test metal, the smoothest, strongest, longest-lasting iron ever produced for stove castings. Made from a special mixture chemically analyzed and tested to insure uniform quality and strength. All joints are cemented—every joint air-tight.

#### Fire Box

Is oval in shape and of correct size to secure highest baking efficiency. Sectional iron linings have air space behind back, insuring durability. Brick linings for hard coal furnished if desired. Fire box has extension for burning wood and cast end linings can be easily removed.

#### Duplex Grate

The Jewel Duplex Grate furnished with this range is efficient, easy to operate and economical. One turn of shaker or operating handle cuts out all clinkers and ashes. Easily removed without disturbing the linings. No frames to warp and bind. Reversed, makes a good wood fire bottom.

#### Square Oven

Will bake on oven rack and oven bottom at the same time. Oven bottom is made in two pieces to allow for expansion and contraction. Oven plates are all skillfully fitted and of uniform thickness to insure perfect baking in every part.

#### Oven Door

Is steel lined and opens flush with oven bottom, making a convenient shelf. Spring balanced, avoiding jarring and breakage. Oven thermometer shows accurately degree of heat in oven.

#### Flue Construction

Jewel sheet flue construction, the most efficient and economical. Described page 54.

#### Control

Direct draft vertical damper is of very simple design and construction and easily operated. Handle is entirely removed from reach of heat and flames. End draft door full length of fire box. Check damper in pouch feed.

#### Top Plate

Top plate is cast in sections to prevent cracking or warping. Should any part be broken it can be replaced at minimum expense. Cut long center is reinforced, giving maximum strength. Covers are extra heavy and one reducing cover to accommodate different sized utensils is furnished with each range.

#### Special Points

Steel wire oven rack, light, strong, durable and easily kept clean. Hinged flue door just below oven door is instantly accessible. Flues can be cleaned quickly without any trouble, clean-out door being in front of range. Ash pan is unusually large. Finely modeled cast base and legs. Solid end shelf.

#### Nickeled Parts

Guard Rail, High Closet Band, Panel and Handle Ornamented Nickel Corners, Teapot Shelves, Oven Door Handle, Knobs and Ash Pan, Feed Door Hearth and Grate Door Hearth.

#### High Closets and Shelves

Made of Non-Ox Metal with nickeled teapot shelves. Handsomely nickeled trimmings. First joint of pipe with damper accompanies each high closet. Ornamental Colonial pattern cast High Shelf with removable metal edge extra.



Style E—Glass Door

## Standard Jewel Cast Range

With Full Nickel Glass Oven Door.

Square with Steel High Closet, End Shelf, Full Nickel Glass Door and Oven Thermometer. For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|---|-----------|---------------|----------------|--------|---------|--------|
| 82-18   | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 400    | \$78.25 | Rally  |
| 92-18   | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 405    | 79.50   | Ram    |
| 82-20   | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 440    | 83.25   | Ranch  |
| 92-20   | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 445    | 84.50   | Ransom |
| Water Front, extra                            |           |               |                | 25     | 6.75    | Attic  |
| No. 20 Gas Attachment, illustrated on page 81 |           |               |                | 35     | 9.25    | Scope  |
| No. 30 Gas Attachment, illustrated on page 81 |           |               |                | 40     | 11.50   | Score  |
| No. 34 Gas Attachment, illustrated on page 81 |           |               |                | 90     | 26.25   | Scull  |



Style F—Glass Door

## Standard Jewel Cast Range

With Full Nickel Glass Oven Door.

With Reservoir, Steel High Closet, Full Nickel Glass Door and Oven Thermometer. For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code    |
|-------|-----------|---------------|--------------------|--------|---------|---------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 480    | \$92.75 | Rascal  |
| 92-18 | Six 9 in. | 18 x 19 x 11½ | 27½ x 44           | 485    | 94.00   | Rattan  |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 46½          | 540    | 97.75   | Ravine  |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 46½          | 545    | 99.00   | Rawhide |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.



Style A

## Standard Jewel Cast Range

Square with Back Guard, End Shelf, Teapot Shelves and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.                | Holes     | Size of Oven  | Top with Shelf | Weight | List           | Code    |
|--------------------|-----------|---------------|----------------|--------|----------------|---------|
| <b>82-18</b>       | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 355    | <b>\$58.50</b> | Realism |
| <b>92-18</b>       | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 340    | <b>59.75</b>   | Realm   |
| <b>82-20</b>       | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 395    | <b>63.50</b>   | Reason  |
| <b>92-20</b>       | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 400    | <b>64.75</b>   | Rebate  |
| Water Front, extra |           |               |                | 25     | <b>6.75</b>    | Attic   |





Style E

## Standard Jewel Cast Range

Square with Steel High Closet, End Shelf and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code    |
|---|-----------|---------------|----------------|--------|---------|---------|
| 82-18   | Six 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 400    | \$73.00 | Rant    |
| 92-18   | Six 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 405    | 74.25   | Recital |
| 82-20   | Six 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 440    | 78.00   | Record  |
| 92-20   | Six 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 445    | 79.25   | Refine  |
| Water Front, extra                            |           |               |                | 25     | 6.75    | Attic   |
| No. 20 Gas Attachment, illustrated on page 81 |           |               |                | 35     | 9.25    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81 |           |               |                | 40     | 11.50   | Score   |
| No. 34 Gas Attachment, illustrated on page 81 |           |               |                | 90     | 26.25   | Scull   |



**Style F**

## **Standard Jewel Cast Range**

With Reservoir, Steel High Closet and Oven Thermometer.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code    |
|-------|-----------|---------------|--------------------|--------|----------------|---------|
| 82-18 | Six 8 in. | 18 x 19 x 11½ | 27½ x 44           | 480    | <b>\$87.50</b> | Reflect |
| 92-18 | Six 9 in. | 18 x 19 x 11½ | 27½ x 44           | 485    | <b>88.75</b>   | Regular |
| 82-20 | Six 8 in. | 20 x 20 x 12½ | 29½ x 46½          | 540    | <b>92.50</b>   | Rein    |
| 92-20 | Six 9 in. | 20 x 20 x 12½ | 29½ x 46½          | 545    | <b>93.75</b>   | Remedy  |

Specify whether Brick or Cast Iron Fire Box Linings are wanted.  
Cast Linings shipped unless Brick specified.

## No. 20 Gas Attachment

(2 burner without oven)  
Will fit all sizes of:

|                 |                 |
|-----------------|-----------------|
| <b>Supreme</b>  | <b>Quality</b>  |
| <b>Harvard</b>  | <b>Agate</b>    |
| <b>Paragon</b>  | <b>Diamond</b>  |
| <b>Pride</b>    | <b>Silver</b>   |
| <b>Princess</b> | <b>Splendid</b> |
| <b>Legal</b>    | <b>Radium</b>   |
| <b>Noble</b>    | <b>Victor</b>   |
| <b>Comet</b>    | <b>Columbia</b> |
| <b>Standard</b> |                 |



**No. 20 Gas Attachment**

|               |             |             |
|---------------|-------------|-------------|
| <b>Weight</b> | <b>List</b> | <b>Code</b> |
| 35            | \$ 9.25     | Scope       |

## No. 30 Gas Attachment

(3 burner without oven)  
Will fit all sizes of:



**No. 30 Gas Attachment**

|               |             |             |
|---------------|-------------|-------------|
| <b>Weight</b> | <b>List</b> | <b>Code</b> |
| 40            | \$11.50     | Score       |

|                 |                 |
|-----------------|-----------------|
| <b>Supreme</b>  | <b>Radium</b>   |
| <b>Harvard</b>  | <b>Standard</b> |
| <b>Paragon</b>  | <b>Silver</b>   |
| <b>Pride</b>    | <b>Quality</b>  |
| <b>Princess</b> | <b>Agate</b>    |
| <b>Legal</b>    | <b>Diamond</b>  |
| <b>Noble</b>    | <b>Victor</b>   |
| <b>Comet</b>    | <b>Columbia</b> |
| <b>Splendid</b> |                 |

## No. 34 Gas Attachment

(3 burner with oven)  
Will fit:

**Silver**  
**Standard**  
**Quality**  
**Agate**  
18 in. and 20 in. sizes only  
**Diamond**  
18 in. and 20 in. sizes only  
**Victor** 18 in. size only  
**Columbia** 18 in. size only



**No 34 Gas Attachment**

|               |             |             |
|---------------|-------------|-------------|
| <b>Weight</b> | <b>List</b> | <b>Code</b> |
| 90            | \$26.25     | Scr:II      |

## No. 35 Gas Attachment

(3 burner with oven)

Will fit all sizes of:

|                 |              |
|-----------------|--------------|
| <b>Supreme</b>  | <b>Pride</b> |
| <b>Harvard</b>  | <b>Legal</b> |
| <b>Paragon</b>  | <b>Noble</b> |
| <b>Princess</b> | <b>Comet</b> |

### No. 35 Gas Attachment

|        |                |      |
|--------|----------------|------|
| Weight | List           | Code |
| 90     | <b>\$26.25</b> | Scot |



## No. 36 Gas Attachment

(3 burner with oven and broiler)

Will fit all sizes of:

|                 |               |
|-----------------|---------------|
| <b>Splendid</b> | <b>Radium</b> |
|-----------------|---------------|

### No. 36 Gas Attachment

|        |                |       |
|--------|----------------|-------|
| Weight | List           | Code  |
| 120    | <b>\$40.00</b> | Scrub |



# Victor Jewel Cast Range

## A Full Trimmed, Six Hole Range with Swing Door

For Hard Coal, Soft Coal or Wood.

**T**HE VICTOR JEWEL is a compactly built, handsomely trimmed cast range. The fire box, grates and tops are our standard construction, and the new cast base and legs give the stove a pleasing substantial appearance. As a quick, perfect baker the Victor Jewel equals any range manufactured. Splendid value for the price.

### Castings

Made from our exclusive Kemi-Test iron, the toughest, smoothest grained, longest lasting iron ever used by a stove manufacturer. Every melt chemically analyzed and tested to insure uniform quality and strength.

### Cut Sectional Top

Made in Sections, allowing for expansion and contraction. Any part can be inexpensively replaced. Heavy ribbed covers.

### Oval Fire Box

Has no "dead" corners and is of proper length and depth. Sectional cast linings with air space back of flue back. Air holes top and bottom provide heated air which, mixing with gases over fire, assists in securing perfect combustion, insuring great fuel economy.

### Duplex Grates

Of Standard Jewel Pattern. Simplest in design. Efficient, economical and durable. One turn of crank or shaker cuts out all cinders and ashes, dumping them in ash pan below. No tracks or frames to warp, crack and necessitate expensive repairs. Grate drops out without removing water front or linings. Reversed, makes good grate for wood.

### Oven

Is of ample size and will bake perfectly in every part as a result of direct acting sheet flue construction and uniform thickness of castings. Oven top is ribbed pattern; side, top and bottom are set in cup joints filled with asbestos cement, insuring perfect air-tight construction.

### Oven Rack

Made of steel wire, light, strong, durable. Does not interfere with the heat. Easily kept clean. Cannot be broken.

### Oven Door

Swings open and all fitting edges are ground. No cold air can get in oven to chill it and spoil baking. Inside of door aluminized.

### Swinging Hearth

Is fitted with sliding draft damper full length of fire box. Ash pit has bailed ash pan of ample size.

### Direct Acting Sheet Flue Construction

Of this stove is illustrated and described on page 54. This is the most efficient and desirable flue construction known. Flue clean-out is in front of stove beneath oven door shelf, where it is instantly and easily accessible. No trouble to clean out this range and large sheet flues make frequent cleaning unnecessary.

### Direct Draft Damper

Is simple, strong in construction. Cannot get out of order and will not burn out or warp, because it is out of reach of flame and heat.

### Attractive Cast Base

New design Cast Base. Plain finish; easy to clean. Heavy cast legs.

### Cast Back Guard

With cast corners, and nickeled teapot shelves furnished with each Victor range shipped without high closet.

### High Closet

Made of Non-Ox Metal, including one Joint Pipe with damper. Rolling door has strong, rigid, nickel handle and nickel bands above and below High Closet door. Closet on Victor in addition to above has nickel ends and two nickel teapot shelves and top backguard with nickel corners.

### Large Reservoir or Water Front

Reservoir of ample size to furnish hot water required. Reservoir damper turns heat to and from reservoir. Top of reservoir is flush with range top. Japanned covers are prettily ornamented in colors. Powerful cast water fronts for heating water at extra cost.

### Other Points

Combination Pouch and Broiler feed. Outside oven door shelf. Nickeled oven door panel. Nickeled strip on oven door shelf and hearth and removable nickeled towel or guard rail. All plates skillfully fitted so that every joint is air-tight. No waste of fuel from leaky joints.



**Style A**

## **Victor Jewel Cast Range**

Square, with Back Guard, Teapot Shelves and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.               | Holes     | Size of Oven               | Top with Shelf        | Weight | List           | Code  |
|-------------------|-----------|----------------------------|-----------------------|--------|----------------|-------|
| <b>81-16</b>      | Six 8 in. | 16 x 18 x 11 $\frac{1}{2}$ | 27 x 38 $\frac{1}{2}$ | 290    | <b>\$45.50</b> | Role  |
| <b>81-18</b>      | Six 8 in. | 18 x 18 x 11 $\frac{1}{2}$ | 27 x 38 $\frac{1}{2}$ | 320    | <b>50.50</b>   | Roman |
| Water Front extra |           |                            |                       | 20     | <b>6.75</b>    | Attic |



Style E

## Victor Jewel Cast Range

Square, with Steel High Closet, Teapot Shelves and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code    |
|--|-----------|---------------|----------------|--------|---------|---------|
| 81-16  | Six 8 in. | 16 x 18 x 11½ | 27 x 38½       | 340    | \$60.00 | Rose    |
| 81-18  | Six 8 in. | 18 x 18 x 11½ | 27 x 38½       | 370    | 65.00   | Rosette |
| No. 20 Gas Attachment, illustrated on page 81                  |           |               |                | 35     | 9.25    | Scope   |
| No. 30 Gas Attachment, illustrated on page 81                  |           |               |                | 40     | 11.50   | Score   |
| No. 34 Gas Attachment, illustrated on page 81, fits 81-18 only |           |               |                | 90     | 26.25   | Scull   |



**Style B**

## **Victor Jewel Cast Range**

With Reservoir, Back Guard and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code  |
|--------------|-----------|---------------|--------------------|--------|----------------|-------|
| <b>81-18</b> | Six 8 in. | 18 x 18 x 11½ | 27 x 43            | 405    | <b>\$63.75</b> | Rough |





**Style F**

## **Victor Jewel Cast Range**

With Reservoir, Steel High Closet and Teapot Shelves.  
For Hard Coal, Soft Coal or Wood.

| No.          | Holes     | Size of Oven  | Top with Reservoir | Weight | List           | Code  |
|--------------|-----------|---------------|--------------------|--------|----------------|-------|
| <b>81-18</b> | Six 8 in. | 18 x 18 x 11½ | 27 x 43            | 450    | <b>\$78.25</b> | Rover |

# Columbia Jewel Plain Trimmed Range

For Hard Coal, Soft Coal or Wood.

**T**HE Columbia Jewel Cast Range is a six-hole plain trimmed range, representing the Jewel plan of standardization and interchangeability of parts. The fire box, grates, tops and body are our standard construction the same as in the Victor.

The Columbia Jewel has been built for the trade desiring a well built, serviceable cast range at moderate cost. It is plainly trimmed, but well decorated, and an ornament to any kitchen. As a quick and perfect baker it equals any range manufactured. In every respect this Columbia Jewel will prove a trade winner on any merchant's floor. Details follow:

## **Castings**

Are all made from our exclusive Kemi-Test iron, the toughest, smoothest grained, longest lasting iron ever used by a stove manufacturer. Every melt chemically analyzed and tested to insure uniform quality and strength.

## **Cut Sectional Top**

Made in sections, allowing for expansion and contraction. Any part can be inexpensively replaced. Heavy ribbed covers.

## **Oval Fire Box**

Has no "dead" corners and is of proper length and depth. Sectional cast linings with air space back of flue back. Air holes top and bottom provide heated air which, mixing with gases over fire, assists in securing perfect combustion, insuring great fuel economy.

## **Duplex Grates**

Of standard Jewel pattern. Simplest in design. Efficient, economical and durable. One turn of crank or shaker cuts out all cinders and ashes, dumping them in ash pan below. No tracks or frames to warp, crack and necessitate expensive repairs. Grate drops out without removing water front or linings. Reversed, makes good grate for wood.

## **Oven**

Is of ample size and will bake perfectly in every part as a result of direct acting sheet flue construction and uniform thickness of castings. Oven top is ribbed pattern; side, top and bottom are set in cup joints filled with asbestos cement, insuring perfectly air-tight construction.

## **Oven Rack**

Made of steel wire, light, strong, durable. Does not interfere with the heat. Easily kept clean. Cannot be broken.

## **Oven Door**

Swings open and all fitting edges are ground. No cold air can get in oven to chill it and spoil baking. Inside of door aluminized.

## **Swinging Hearth**

Is fitted with sliding draft damper full length of fire box. Ash pit has bailed ash pan of ample size.

## **Direct Acting Sheet Flue Construction**

Of this stove is illustrated and described on page 54. This is the most efficient and desirable flue construction known. Flue clean-out is in front of stove beneath oven door shelf, where it is instantly and easily accessible. No trouble to clean out this range and large sheet flues make frequent cleaning unnecessary.

## **Direct Draft Damper**

Is simple, strong in construction. Cannot get out of order and will not burn out or warp, because it is out of reach of flames and heat.

## **Steel Base**

Light, strong; can be quickly and easily polished. Will last a lifetime. Heavy cast legs.

## **High Closet**

Made of Non-Ox Metal, including one Joint Pipe with damper. Rolling door has strong, rigid, nickel handle and nickel bands above and below High Closet door.

## **Large Reservoir or Water Front**

Reservoir is of ample size to furnish hot water required. Reservoir damper turns heat to and from reservoir. Top of reservoir is flush with range top. Japanned covers are prettily ornamented in colors. Powerful cast water fronts for heating water at extra cost.

## **Other Points**

Combination Pouch and Broiler feed. Outside oven door shelf. Nickeled oven door panel. All plates skillfully fitted so that every joint is air-tight. No waste of fuel from leaky joints.



Style A

## Columbia Jewel Cast Range

Square, with End Shelf.

For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven  | Top with Shelf | Weight | List            | Code     |
|--|-----------|---------------|----------------|--------|-----------------|----------|
| 8-16                                       | Six 8 in. | 16 x 18 x 11½ | 27 x 38½       | 285    | <b>\$39. 50</b> | Awaiting |
| 8-18                                       | Six 8 in. | 18 x 18 x 11½ | 27 x 38½       | 310    | <b>44. 50</b>   | Awake    |
| Water Front, extra                         |           |               |                | 20     | <b>6. 75</b>    | Attic    |
| Cast Back Guard with Teapot Shelves, extra |           |               |                |        | <b>2. 75</b>    | Bung     |



Style E

## Columbia Jewel Cast Range

Square, with Steel High Closet and End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.   | Holes     | Size of Oven  | Top with Shelf | Weight | List    | Code      |
|---|-----------|---------------|----------------|--------|---------|-----------|
| 8-16  | Six 8 in. | 16 x 18 x 11½ | 27 x 38½       | 330    | \$50.00 | Awaken    |
| 8-18  | Six 8 in. | 18 x 18 x 11½ | 27 x 38½       | 355    | 55.00   | Awakening |
| Water Front, extra  |           |               |                | 20     | 6.75    | Attic     |
| No. 20 Gas Attachment, illustrated on page 81                 |           |               |                | 35     | 9.25    | Scope     |
| No. 30 Gas Attachment, illustrated on page 81                 |           |               |                | 40     | 11.50   | Score     |
| No. 34 Gas Attachment, illustrated on page 81, fits 8-18 only |           |               |                | 90     | 26.25   | Scull     |



Style B

## Columbia Jewel Cast Range

With Reservoir.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code  |
|--|-----------|---------------|--------------------|--------|---------|-------|
| 8-18                                       | Six 8 in. | 18 x 18 x 11½ | 27 x 43            | 380    | \$57.75 | Award |
| Cast Back Guard with Teapot Shelves, extra |           |               |                    |        | 2.75    | Bung  |



Style F

## Columbia Jewel Cast Range

With Reservoir and Steel High Closet.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes     | Size of Oven  | Top with Reservoir | Weight | List    | Code  |
|------|-----------|---------------|--------------------|--------|---------|-------|
| 8-18 | Six 8 in. | 18 x 18 x 11½ | 28 x 43            | 420    | \$68.25 | Aware |

## Jewel Steel Cooking Stoves

### Alamo Jewel—Four Holes

### Jewel Camp Cook—Four Holes

For Soft Coal, Hard Coal or Wood.

**T**HE ALAMO embodies the same high quality material and workmanship as all other Jewel stoves and is very attractively priced. It will give the best of satisfaction. Steel ovens are heated quickly with very little fuel.

**Body.** Made of Non-Ox Metal. Riveted by hand the same as a Jewel steel range. Norway iron rivets are used and driven cold; this insures durability.

**Oven** is large and square. Protected on top by cast plates. Quick and perfect baker.

**Oven Door** is spring balanced so that it opens easily and does not drop with a jar—but quietly and easily. When opened it affords a convenient shelf flush with the oven bottom.

**Wire Oven Racks** are light, durable, easily cleaned, and do not retard the heat.

**Top Plate** is cast in sections to prevent cracking or warping. Any part can be replaced at small expense should it ever become necessary.

**Fire Box** is of correct shape and size and is lined with cast iron linings of right weight to insure long use.

**Grate** is of the shaking and dumping pattern.

**Reservoir** is made of copper. Heated by contact. Has ornamented japanned cast iron covers resting on cast iron frame.

**Other Points.** Wood Fire Door. Ash Pit Door. Bailed Ash Pan. Combination Pouch and Broiler Feed. Grate Door. Cast Iron Legs neatly carved. Strong End Shelf on square stoves.

### Jewel Camp Cook

A small sized steel cook designed for use in camps, sheep wagons, in tents for Mining, Military, Fishing, Tourist, Yachting, etc. It is well made, a perfect baker, and for the uses intended will give the best of satisfaction. Legs are part of stove and provision is made for swinging legs to floor for boat and wagon use.

See description under illustration of stove on page 96.



Style A

## Alamo Jewel Steel Cook

Square, with End Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.                          | Holes      | Size of Oven | Top with Shelf                      | Weight | List    | Code     |
|------------------------------|------------|--------------|-------------------------------------|--------|---------|----------|
| 8-16                         | Four 8 in. | 16 x 19 x 12 | 22 $\frac{1}{4}$ x 35 $\frac{3}{4}$ | 190    | \$31.00 | Rational |
| 8-18                         | Four 8 in. | 18 x 19 x 12 | 23 $\frac{1}{2}$ x 38               | 200    | 34.75   | Raven    |
| 9-18                         | Four 9 in. | 18 x 19 x 12 | 23 $\frac{1}{4}$ x 38 $\frac{1}{4}$ | 210    | 36.00   | Ray      |
| Water Front, any size, extra |            |              |                                     | 20     | 6.75    | Rareness |

Will take 19 in. wood.





Style B

## Alamo Jewel Steel Cook

With Copper Contact Reservoir.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes      | Size of Oven | Top with Reservoir                  | Weight | List           | Code      |
|------|------------|--------------|-------------------------------------|--------|----------------|-----------|
| 8-16 | Four 8 in. | 16 x 19 x 12 | 22 $\frac{1}{4}$ x 38 $\frac{1}{2}$ | 220    | <b>\$38.75</b> | Razure    |
| 8-18 | Four 8 in. | 18 x 19 x 12 | 23 $\frac{1}{4}$ x 41 $\frac{1}{4}$ | 230    | <b>42.50</b>   | Reacher   |
| 9-18 | Four 9 in. | 18 x 19 x 12 | 23 $\frac{1}{4}$ x 41 $\frac{1}{2}$ | 235    | <b>43.75</b>   | Reachable |

Will take 19 in. wood.



**Style A**

## **Jewel Camp Cook**

For Wood, Hard Coal or Soft Coal.

| No.  | Holes      | Size of Oven | Top Surface                         | Weight | List           | Code      |
|------|------------|--------------|-------------------------------------|--------|----------------|-----------|
| 7-12 | Four 7 in. | 12 x 17 x 10 | 20 $\frac{1}{4}$ x 25 $\frac{1}{4}$ | 125    | <b>\$21.00</b> | Reachless |

Fire Box takes 17 in. wood.

Body of Non-Ox Metal. Door frame and handle, hinged fire box end door and frame, ash box end, and flue cleaning door of cast iron. Drop end poker door, with draft slide full length of fire box, gives easy access to full length of grate with poker. Ventilated cast iron fire box linings, end lining removable for wood. Heavy cast top plate. Shaking and dumping grate.

## **Jewel Cast Cook Stoves**

### **Three Distinct Lines for Coal**

### **Four Distinct Lines for Wood**

**T**HERE are three reasons why Jewel Cook Stoves are good sellers. First, the unusually attractive designs. Second, the high quality of the castings, which results in remarkable durability. Third, the special care used on mounting and fitting, which insures great fuel economy and perfect service in baking and cooking. And most every dealer knows that we have the biggest assortment at right prices.

Do you realize that all the IRON used in making the castings for Jewel Stoves is chemically analyzed and tested to insure smooth, tough, durable castings entirely free from the defects and imperfections usually found in stove plate? These systematic and analytical tests are distinctly different and far in advance of the "rule of thumb" methods followed in most stove foundries. They insure a uniform quality to our product and satisfactory service from every casting that bears the name Jewel.

Just a few words about the tests. First, there is the Chemical Test. Samples of iron are taken from all shipments received, and analyzed. Unless they come up to the standard—containing the correct proportions of all the various elements required—the entire shipment is rejected. So well is this known among shippers of pig iron that they are very careful as to the quality of iron shipped us.

After the Chemical Test has been made and the mixture exactly determined bars of iron 12 inches long and one inch square are taken from the melt and subjected to a Breaking Strain, averaging 2,500 pounds to the square inch. This is to determine tensile strength, and is a very severe test. That all the iron used in Jewel Stoves and Furnaces must stand these Tests explains the wonderful durability of Jewel Stoves.

The castings brought from the foundry are all cleaned and inspected. All fitting faces are then carefully ground so that every part fits tightly in place when assembled. There are no large open joints—and but very little stove putty is required to make every joint air-tight—thus users of Jewel Stoves never have trouble with stove putty drying up, falling out and leaving joints exposed to the air—a common complaint with some constructions.

Did you ever examine a Jewel Stove closely and compare it with ordinary stoves? If you did, you were impressed with the smoothness of the castings, the beauty of the design, the perfect fitting of every part. That is a guarantee that goes with every Jewel Stove.



Style A

## Model Jewel Cook

With Duplex Grate.

Square, with End Shelf and Teapot Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.  | Holes      | Size of Oven | Top with Shelf | Weight | List           | Code   |
|------|------------|--------------|----------------|--------|----------------|--------|
| 8-16 | Four 8 in. | 18 x 19 x 11 | 23½ x 33½      | 210    | <b>\$39.50</b> | Sad    |
| 8-18 | Four 8 in. | 20 x 21 x 12 | 25½ x 37½      | 270    | <b>44.50</b>   | Saddle |
| 9-18 | Four 9 in. | 20 x 21 x 12 | 25½ x 37½      | 275    | <b>45.75</b>   | Safe   |

### Details of Construction

Plain finish, easily cleaned design. Substantial cast base and legs. Heavy covers. Heavy cut long centers. Thick short centers. Heavy fire back. Jewel duplex fire grate, which when reversed, makes a good wood fire bottom. Oval end fire box. Durable fire box linings. Roomy bailed ash pan. Combination broiler and hopper feed door. Flush draw hearth. Swinging front door, with draft slide. "Kicker," for automatically opening the oven door with the foot. Outside oven shelf. Towel rod. End shelf on square stove.

(Continued on following page)



**Style B**

## **Model Jewel Cook**

With Duplex Grate.

With Reservoir and Teapot Shelf.  
For Hard Coal, Soft Coal or Wood.

| No.         | Holes      | Size of Oven | Top with Reservoir | Weight | List           | Code  |
|-------------|------------|--------------|--------------------|--------|----------------|-------|
| <b>8-16</b> | Four 8 in. | 18 x 19 x 11 | 23½ x 38½          | 265    | <b>\$52.75</b> | Saber |
| <b>8-18</b> | Four 8 in. | 20 x 21 x 12 | 25½ x 42½          | 325    | <b>57.75</b>   | Sable |
| <b>9-18</b> | Four 9 in. | 20 x 21 x 12 | 25½ x 42½          | 360    | <b>59.00</b>   | Sack  |

### **Details—Continued from preceding page.**

White enameled cast reservoir flush with top of the stove. Cover Japanned and ornamented in colors. Reservoir damper. Large oven. Steel wire oven rack, light and easily kept clean. Cemented top oven plate. Aluminized oven doors. Top plate cast in sections to prevent cracking. Swinging teapot shelf.

Oven door panel and rim of oven door shelf nickeled. Nickel teapot shelf and towel rod.



Style A

## Electric Jewel Cook

With Duplex Grate.

Square, with Base, End Shelf and Teapot Shelf.

For Coal or Wood.

| No.   | Holes      | Size of Oven | Top with Shelf | Weight | List    | Code      |
|-------|------------|--------------|----------------|--------|---------|-----------|
| 81-16 | Four 8 in. | 16 x 17 x 9  | 21½ x 31½      | 195    | \$31.75 | Whalebone |
| 81-18 | Four 8 in. | 18 x 19 x 11 | 23½ x 34       | 255    | 35.50   | Whapper   |
| 81-20 | Four 8 in. | 20 x 21 x 12 | 25½ x 37¼      | 290    | 40.50   | Wheat     |
| 91-20 | Four 9 in. | 20 x 21 x 12 | 25½ x 37½      | 295    | 41.75   | Wheedle   |

### Details of Construction

An attractive cast cook with ornamental carvings and smooth castings. Full size nearly square oven. Heavy wire oven rack. Outside nickeled shelf. Well proportioned fire box; heavy fire box castings; duplex grate. Grate door. Large feed door. Draw hearth. Bailed ash pan. Pouch feed opening. Top plate cast in sections to prevent cracking.

(Continued on following page)



Style B

## Electric Jewel Cook

With Duplex Grate.

With Reservoir, Base and Teapot Shelf.

For Coal or Wood.

| No.          | Holes      | Size of Oven | Top with Reservoir | Weight | List           | Code        |
|--------------|------------|--------------|--------------------|--------|----------------|-------------|
| <b>81-18</b> | Four 8 in. | 18 x 19 x 11 | 23½ x 39½          | 310    | <b>\$48.75</b> | Wheelwright |
| <b>81-20</b> | Four 8 in. | 20 x 21 x 12 | 25½ x 42¼          | 345    | <b>53.75</b>   | Wheeze      |
| <b>91-20</b> | Four 9 in. | 20 x 21 x 12 | 25½ x 42½          | 350    | <b>55.00</b>   | Whelm       |

### Details of Construction—Concluded

"Kicker" for automatically opening oven door with foot. Aluminized oven doors with nickel panel on door. Nickel towel rod and teapot shelf. Heavy cast base; neatly modeled legs. Square stoves have end shelves. Reservoir styles have large white enameled encased reservoirs and reservoir damper.



Style A

## Eureka Jewel Cook

With Duplex Grate.

Square, with End Shelf.

For Coal or Wood.

| No.   | Holes      | Size of Oven | Top with Shelf | Weight | List           | Code      |
|-------|------------|--------------|----------------|--------|----------------|-----------|
| 81-16 | Four 8 in. | 16 x 17 x 9  | 21½ x 31½      | 175    | <b>\$27.75</b> | Whetstone |
| 81-18 | Four 8 in. | 18 x 19 x 11 | 23½ x 33½      | 240    | <b>31.50</b>   | Whey      |
| 81-20 | Four 8 in. | 20 x 21 x 12 | 25½ x 37¼      | 275    | <b>36.50</b>   | Whiff     |
| 91-20 | Four 9 in. | 20 x 21 x 12 | 25½ x 37½      | 285    | <b>37.75</b>   | Whig      |

### Details of Construction

A well constructed cook with neatly modeled, smooth castings. Oven of good size with all plates made from cast iron. Strong wire oven rack provided. Fire box well proportioned and lined with durable heavy castings. Duplex grate. End castings easily removed for burning wood. Draw hearth. Bailed ash pan. Pouch feed door. Top plates cast in

(Continued on following page)





Style B

## Eureka Jewel Cook

With Duplex Grate.

With Reservoir.

For Coal or Wood.

| No.   | Holes      | Size of Oven | Top with Reservoir | Weight | List    | Code      |
|-------|------------|--------------|--------------------|--------|---------|-----------|
| 81-18 | Four 8 in. | 18 x 19 x 11 | 23½ x 39½          | 280    | \$44.75 | Whim      |
| 81-20 | Four 8 in. | 20 x 21 x 12 | 25½ x 42½          | 335    | 49.75   | Whimper   |
| 91-20 | Four 9 in. | 20 x 21 x 12 | 25½ x 42½          | 340    | 51.00   | Whimsical |

### Details of Construction—Concluded

sections to prevent cracking. Outside oven shelf. "Kicker" for automatically opening the oven door with the foot; aluminized oven doors with nickel panel on front door. End shelf on square stoves. Reservoir styles have white enameled encased cast reservoir and reservoir damper.



**Style A**

## **New Rural Jewel Cook**

Square, with End Shelf and Teapot Shelf.

For Wood only.

| No.          | Holes      | Size of Oven | Top with Shelf | Weight | List           | Code |
|--------------|------------|--------------|----------------|--------|----------------|------|
| <b>81-18</b> | Four 8 in. | 17 x 19 x 11 | 23½ x 32½      | 240    | <b>\$36.00</b> | Sage |
| <b>81-20</b> | Four 8 in. | 20 x 21 x 12 | 25½ x 34½      | 290    | <b>41.00</b>   | Sago |

Length of wood taken, 8-18, 22 in.; 8-20, 24 in.

### **Details of Construction**

The most attractive, plain wood cook on the market. Same finish as Model Cook shown on pages 99 and 100. Clean, light, unbreakable steel wire oven rack. Cemented top oven plate. Large fire box; durable fire bottom. Strong, swinging front grate. Top plate cast in sections, to prevent cracking. Reversible outside oven shelf with nickel edge. End shelf on

(Continued on following page)



**Style B**

## **New Rural Jewel Cook**

With Reservoir.  
For Wood only.

| No.          | Holes      | Size of Oven | Top with Reservoir | Weight | List           | Code  |
|--------------|------------|--------------|--------------------|--------|----------------|-------|
| <b>81-18</b> | Four 8 in. | 17 x 19 x 11 | 23½ x 37½          | 310    | <b>\$49.25</b> | Saint |
| <b>81-20</b> | Four 8 in. | 20 x 21 x 12 | 25½ x 40½          | 345    | <b>54.25</b>   | Sake  |

Length of wood taken, 8-18, 22 in.; 8-20, 24 in.

### **Details of Construction—Concluded**

square stove, which can be used as a side extension shelf, if desired. Oven doors have nicked panel and are aluminized inside. Rods protected from the flames by being placed outside the stove. Flush draw hearth. Heavy covers and centers. Cut long center. Vertical damper. "Kicker," for automatically opening the oven door with the foot. Flue shifting reservoir damper.



Style A

## Walnut Jewel Cook

Square, with Base, End Shelf and Teapot Shelf.  
For Wood Only.

| No.  | Holes      | Size of Oven  | Top with Shelf | Weight | List           | Code      |
|------|------------|---------------|----------------|--------|----------------|-----------|
| 8-16 | Four 8 in. | 16 x 15½ x 10 | 23½ x 30½      | 190    | <b>\$29.00</b> | Whisk     |
| 8-18 | Four 8 in. | 18 x 17½ x 11 | 23½ x 32½      | 230    | <b>32.75</b>   | Whist     |
| 8-20 | Four 8 in. | 20 x 19½ x 12 | 25½ x 34½      | 270    | <b>37.75</b>   | Whistle   |
| 9-20 | Four 9 in. | 20 x 19½ x 12 | 25½ x 34½      | 275    | <b>39.00</b>   | Whiteness |

Length of wood taken, No. 8-16, 19 in.; 8-18, 20 in.; 8-20 and 9-20, 22 in.

### Details

A medium priced cook, made from smooth castings. Has a well shaped oven; wire oven rack; aluminized oven doors; nickeled oven door panel on front door. Heavy fire back and wood bottom. Swinging hearth. Top plate cut to prevent cracking. Nickeled

(Continued on following page)



Style B

## Walnut Jewel Cook

With Reservoir, Base and Teapot Shelf.  
For Wood Only.

| No.  | Holes      | Size of Oven  | Top with Reservoir | Weight | List    | Code    |
|------|------------|---------------|--------------------|--------|---------|---------|
| 8-18 | Four 8 in. | 18 x 17½ x 11 | 23½ x 36¼          | 295    | \$46.00 | Whiting |
| 8-20 | Four 8 in. | 20 x 19½ x 12 | 25½ x 38¼          | 335    | 51.00   | Whittle |
| 9-20 | Four 9 in. | 20 x 19½ x 12 | 25½ x 38¼          | 340    | 52.25   | Whiz    |

Length of wood taken, No. 8-18, 20 in.; 8-20 and 9-20, 22 in.

### Details—Concluded

outside oven shelf. Style A has an end shelf, and style B a cast iron encased enameled reservoir, with top flush with top of the stove, and cover Japanned and ornamented in colors; reservoir damper. Rods protected from the flames by being placed outside the stove. "Kicker," for automatically opening the oven door with the foot. Nickered towel rod and teapot shelf. Handsomely carved leg base.



**Style A**

## **Willow Jewel Cook**

Square, with End Shelf and Oven Shelf.  
For Wood Only.

| No.         | Holes      | Size of Oven  | Top with Shelf | Weight | List           | Code     |
|-------------|------------|---------------|----------------|--------|----------------|----------|
| <b>8-16</b> | Four 8 in. | 16 x 15½ x 10 | 22½ x 30½      | 160    | <b>\$25.00</b> | Cudgel   |
| <b>8-18</b> | Four 8 in. | 18 x 17½ x 11 | 23½ x 32½      | 220    | <b>28.75</b>   | Cuisine  |
| <b>8-20</b> | Four 8 in. | 20 x 19½ x 12 | 25½ x 34½      | 250    | <b>33.75</b>   | Culinary |
| <b>9-20</b> | Four 9 in. | 20 x 19½ x 12 | 25½ x 34½      | 260    | <b>35.00</b>   | Culling  |

### **Details**

An improved low priced cook, made from smooth castings. Has a well shaped oven; wire oven rack; aluminized oven doors. Heavy fire back and wood bottom. Swinging hearth. Top plate cast in sections, to prevent cracking. Outside oven shelf. Style A has an

(Continued on following page)



Style B

## Willow Jewel Cook

With Reservoir.

For Wood Only.

| No.  | Holes      | Size of Oven  | Top with Reservoir | Weight | List    | Code    |
|------|------------|---------------|--------------------|--------|---------|---------|
| 8-18 | Four 8 in. | 18 x 17½ x 11 | 23½ x 37½          | 275    | \$42.00 | Whoop   |
| 8-20 | Four 8 in. | 20 x 19½ x 12 | 25½ x 40½          | 320    | 47.00   | Wholly  |
| 9-20 | Four 9 in. | 20 x 19½ x 12 | 25½ x 40½          | 325    | 48.25   | Whortle |

Length of wood taken, No. 8-18, 20 in.; 8-20 and 9-20, 22 in.

### Details—Concluded

end shelf, and style B a cast iron reservoir, with top flush with top of the stove, and cover japanned and ornamented in colors. Reservoir damper. "Kicker," for automatically opening the oven door with the foot. Nickered panel on front door.



## Lotus Jewel

Square.

For Wood Only.

| No.  | Holes      | Size of Oven | Top with Reservoir | Weight | List           | Code      |
|------|------------|--------------|--------------------|--------|----------------|-----------|
| 7-14 | Four 7 in. | 14 x 14      | 16 x 19            | 105    | <b>\$13.00</b> | Coagulate |
| 7-15 | Four 7 in. | 15 x 15      | 17 x 20            | 135    | <b>14.25</b>   | Coadjutor |
| 7-16 | Four 7 in. | 17 x 17      | 19 x 22½           | 145    | <b>18.25</b>   | Wholesome |
| 8-16 | Four 8 in. | 17 x 17      | 19 x 22½           | 145    | <b>18.25</b>   | Whet      |

A well made, very low priced cook. Smooth castings. Wire oven rack. Heavy fire back and wood bottom. Vertical damper. Swinging hearth. The No. 7-15 has the regular two oven door construction, with cast oven plates. The No. 7-14 has one oven door only, and the oven is made of STEEL PLATE, which will heat quickly and not crack. This construction on a small wood cook reduces the cost and weight of the stove and gives JEWEL customers a specialty, besides lessening the freight charges. High priced steel ranges are made with only one door and steel ovens.





Style A

## Grand Jewel

Square. For Wood or Coal.

| No.  | Holes                | Weight | List    | Code  |
|------|----------------------|--------|---------|-------|
| 10-A | For Wood, Six 10 in. | 510    | \$85.00 | Havoc |
| Coal | Fixtures, extra      | 32     | 8.25    | Hawk  |

**Details**—Large oven, 37 x 25 x 16 inches; oven doors tin lined. Firebox takes 28-inch wood. The flues are sufficiently large for any kind of fuel. For burning coal, heavy linings and coal grates are provided. Very large fire chamber.



**Style B**—Style B is here illustrated with the extra fixtures, namely, reservoir and tin warming closet. 9-inch covers with 10 to 9 reducing ring furnished in place of one or more 10-inch covers, without extra charge, when so requested.

Extension Top.

## Grand Jewel

For Wood or Coal.

| No.  | Holes  | Weight | List    | Code     |
|------|--|--------|---------|----------|
| 10-B | For Wood, Six 10 in. (price includes reservoir cover only) | 545    | \$90.00 | Hawser   |
|      | 20 gallon Copper Reservoir, extra                          | 40     | 33.75   | Hawthorn |
|      | Tin Warming Closet, extra                                  | 31     | 17.00   | Hay      |
|      | Coal Fixtures, extra                                       | 32     | 8.25    | Hawk     |



This trade mark on a line of stoves and ranges insures all you need ask for in heating and cooking appliances. It is an assurance of full money's worth to the purchaser and a profitable proposition to the dealer selling them.

## **NON-OX** METAL

This mark stands for a new metal having four times the life of ordinary steel and used exclusively in all metal parts of Detroit Jewel Stoves. This metal solves the rust problem and gives a distinct advantage to the dealer selling Jewels.

## **KEMI-TEST** IRON

This mark stands for the highest grade iron used in stove castings. All iron in Jewel Stoves is analyzed and tested by an expert chemist before being used. It measures up to the same standard as iron used in the world's highest grade automobile cylinders.

# JEWEL BASE BURNERS

---



# Jewel Parlor Furnace

Four Flue.

**An absolutely new idea in heater construction. Will give more than twice the heat of any base burner made. Corrugated four-flue back increases radiating surface 25 per cent.**

**T**HE Jewel Parlor Furnace is an entirely different construction from any other heater. It is the most efficient and powerful heater we have ever tested, these tests showing 75 per cent better results than those of any base burner. The four-flue construction, together with an extra large amount of radiating surface, make this result possible. It is the largest sized heater on the market with plain easily cleaned castings, handsome side wings, heavy cast base and legs, the entire heater having an exceptionally massive appearance.

## **Four Flues**

are a radical departure from other constructions. The down and up flues are divided, making four large flues in the back. The products of combustion pass from the down flues through both the side and base flues at right across the front base flues to left and through the up flues at the left before passing out the chimney. By this method not only is every particle of heat utilized but the greatest efficiency is secured from the coal consumed.

## **Extra Large Circulating Flue**

draws cold air from the floor, heats it while passing upwards and throws it out into the room highly heated.

## **Duplex Grate and Shaking Ring**

Duplex grate cuts the clinkers and dead ashes from the fire and one turn of the crank dumps them into the ash pan without crushing the clinkers or using a poker. Shaking ring clears the ashes from the outer edge of fire pot.

## **Ash Pit**

is large and roomy. Has removable, bailed ash pan.

## **Self-Feeding Magazine**

holds sufficient fuel for the day's burning.

## **Automatic Inner Magazine Cover**

rises and falls with the swing of the top. Fits tightly under nickeled top, affording a double preventive against escaping gas, and also protecting the nickel from tarnishing.

## **Three Point Roller Bearing Grate**

makes grate especially easy to operate. The grate rests on a three point suspension, sets perfectly solid and therefore the minimum effort is required to operate it.

## **Extra Heavy One Piece Fire Pots**

are properly proportioned to obtain the best results with the minimum of fuel. Can be easily removed by unscrewing the two bolts which hold the front cast ring in place.

## **Fire Pot May be Revolved**

which makes it possible to relieve the part subjected to the strongest fire at will, hence great durability is assured.

## **Screw Draft Damper**

in ash pit door, direct draft damper back of fire pot and check damper insure easy and positive control of the fire.

## **Nickeled Trimmings**

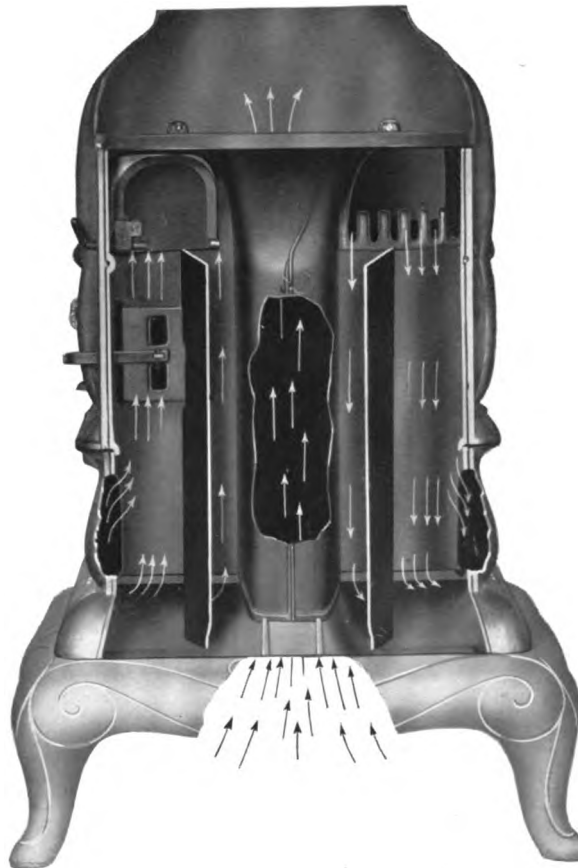
are all easily removed from the stove as no bolts are required to hold them in place. Reflector heads, with large amount of bright surface, and all nickel well protected from tarnishing.

## **Nickeled Parts**

Front and side base strips and legs. Large foot rails. Attractive name plate above the ash door. Handsome ash door with screw draft register handle and nickel panel. Four reflector corner wings. Elegant and massive reflector heads. Swinging top cover. Knobs. Hinge pins. Alaska poker. Shaker.

## The Flue Construction of the Jewel Parlor Furnace is an innovation in Heater Construction

THE sectional view shown here gives a good idea of the flue construction of the Jewel Parlor Furnace. Please note that there are four large flues through which the products of combustion pass, instead of the usual two or three. Follow the arrows and you will see that smoke and heat pass down two large "down" flues, through both a side and base flue, across the front base flues to left and through up flues at left before passing out the chimney. The circulating flue is extra large and extends from the extreme bottom right up to the top of stove. See how it is entirely surrounded by direct heating surfaces. The circulating flue is placed between two intensely hot passages and unlike other constructions there are no dead surfaces at any point. The apex of the flue is the only point which comes in contact with the outside. This flue draws cold air from the floor, passes it upwards and expels it at the top highly heated.



Sectional view showing flue construction of  
Jewel 4 Flue Parlor Furnace.



## Jewel Parlor Furnace

Double Heater. For Hard Coal.

| No. |                                  | Floor Space | List     | Code |
|-----|----------------------------------|-------------|----------|------|
| 71  | Inside diameter Fire Pot 16½ in. | 29 x 29     | \$126.50 | Scum |
| 91  | Inside diameter Fire Pot 18 in.  | 30½ x 30½   | 137.75   | Sear |

## Efficiency of Jewel Base Burners

### The Reasons Explained Why They Have a Greater Heating Capacity and Are More Efficient Than Any Others Made

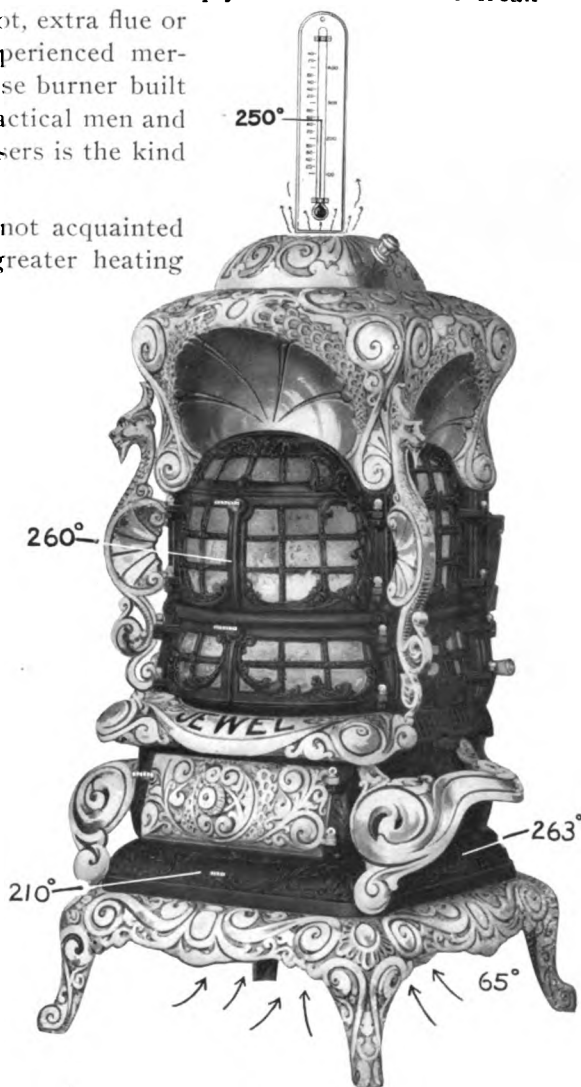
IT may prove confusing to many merchants when they weigh the claims made by manufacturers of base burners and find a large majority claim to have the greatest heating proposition made. Many of them state they have the greatest stove proposition on earth simply because of some freak construction—an odd shaped firepot, extra flue or something of that sort. The experienced merchant knows however, that the base burner built on common sense principles by practical men and tested for years by thousands of users is the kind it pays him to tie to.

To those merchants who are not acquainted with Jewel Base Burners, their greater heating capacity, fuel economy and durability may mean no more than the claims other manufacturers make. When we prove, however, by actual test that Jewel Base Burners do really give more heat for the amount of coal consumed than those of any other construction, our statements should at least bear careful investigation and it will well pay any merchant to carefully study the two sectional views shown on these pages.

#### Actual Test Made With Jewel Double Heater Base Burner

In order to avoid any doubt as to the wonderful heating capacity of the Jewel base burner, an actual test was made with this stove in operation, and, in order to make this test absolutely accurate, the finest thermometer that could be purchased was used.

The illustration shows the extraordinary results of this test.



The above cut shows actual temperature by test at various points of a Jewel Base Burner. This test was made with stove burning at moderate heat. Please note the temperature at top of Triangular Double Heating Flue registers over 250 degrees.

It demonstrated that the Jewel Base Burner with a warm air circulating double heater gives better results and gives off more heat than any other base burner that has been placed to such a severe test.

The most remarkable result brought out by this test was the fact that the air next to the floor at 65 degrees was taken up through the warm air circulating double heater and came out at the top at 250 degrees. The warm air at this high temperature is kept in circulation, which makes it the purest and best heat known.

While this warm air circulating double heater adds about forty per cent heating capacity to the stove, yet it does not decrease the powerful radiation of heat from all parts of the base burner.

### Advantages

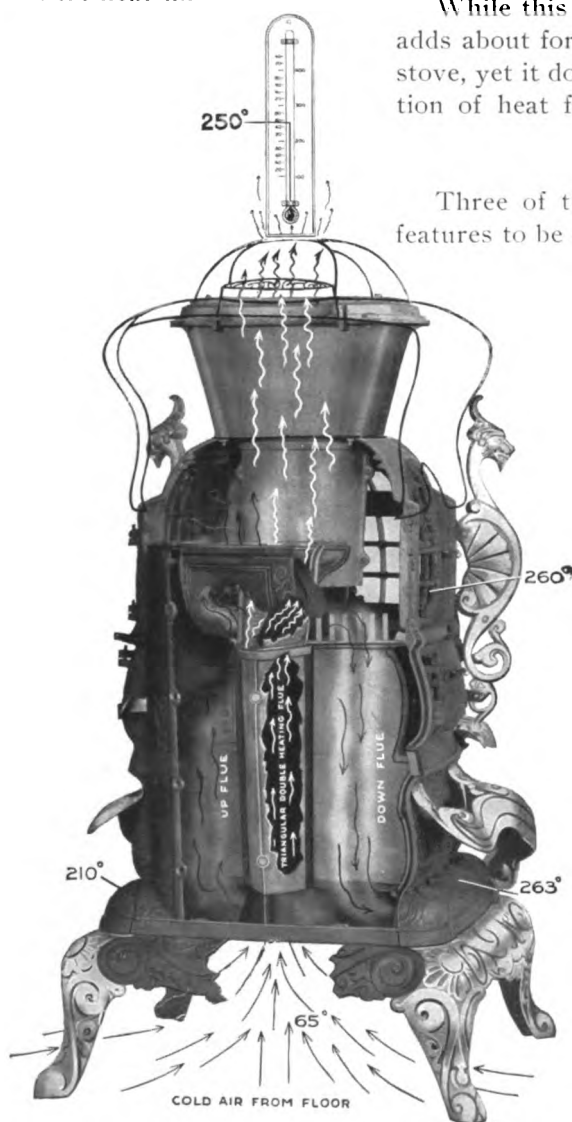
Three of the most essential advantages and features to be considered about a base burner are as follows:

First. A high grade construction.

Second. To force as much heat around the base as possible, because the cold air is next to the floor.

Third. Circulation of heat, which is taken care of by the warm air circulating double heater on our base burner. This double heater not only adds to the heating capacity, but purifies the air by keeping it in circulation, also giving uniform heat.

Heating capacity depends upon three things—grate area, flue construction and effective radiating surface. Jewel Base Burners are so designed that they have a larger and more effective area of radiating surface in proportion to size of firepot than any other make. This is accomplished by means of our two-flue plan of construction and our Triangular Double-Heating Flue Construction.



Above cut shows temperature by actual test of back points of Jewel Base Burner. Note how Triangular Double Heating Flue carries cold air from floor, heats it while passing upward and expels it heated to a temperature of over 250 degrees. The above is from careful test while stove was moderately burning.



Elaborate nickel work is a distinguishing feature of Jewel Base Burners. The Jewel nickel ornamentation is simple and beautiful in design. The majority of the nickel work is "bright," there being just enough carving to make a pleasing contrast.

### **The Wonderful Jewel Triangular Double Heater**

The Jewel Triangular Double Heating Flue is the result of applying modern scientific analysis and mechanical genius for the purpose of getting a larger volume of heat from a given size firepot without any increase in fuel consumption.

Look at the illustration, note that the wide mouth of the Triangular Double Heating Flue is placed at the extreme bottom of stove. Follow the arrows up and see how the Triangular Double Heating Flue extends from the extreme bottom right up to the top of stove, see how it is entirely surrounded by direct heating surfaces. On one side is the "down" flue through which the smoke and heat are carried down and around the base, on the other side is the "up" flue through which the smoke passes before entering the chimney flue. Notice how the Triangular Flue is placed between these two intensely hot passages. Unlike any other construction, there are no dead surfaces at any point. The apex of the Triangle is the only point which comes in contact with the outside.

We make the flue "Triangular" in shape for three reasons: First, because it eliminates dead surfaces; second, because it gives the greatest possible area of radiating surface; and third, because it gives freer circulation of air than any other shape.

## Features that are Common to all Jewel Base Burners

### Castings

Jewel Kemi-test metal is used exclusively in making the castings for Jewel Base Burners. This metal is chemically analyzed and tested to insure uniform quality, strength and durability. It outlasts any other stove plate mixture known.

### Duplex Grate and Shaking Ring

The Duplex grate and shaking ring have been generally adopted by the manufacturers of first class base burners. The Duplex grate has proved its superiority to any other kind of grate and is the most effective, economical and easiest operating grate of its class.

### Fire Pots

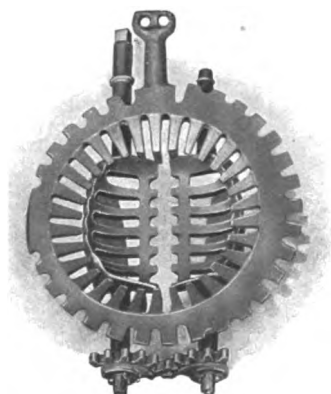
are large size and are made of sufficient weight to withstand the heat of the fiercest fire and give satisfactory service. Fire pots are designed to be easily removed by simply removing the fire pot ring.

### Ash Pits

of Jewel Base Burners are of sufficient height, depth and width to admit a large sized ash pan and there is sufficient space between top of ash pan and bottom of grate to insure the proper amount of air for even burning of the fuel.

### Ash Pans

All Jewel Base Burners have large bailed ash pan with handle.



The Famous Jewel Duplex Grate



Showing Easy Removal of Fire Pot as used in the Emerald, Magic and Ruby Jewels.

### Screw Draft Regulator

We have adopted the screw draft regulator in ash pit door throughout the entire line of Jewel Base Burners. Particular attention is paid to the careful grinding and fitting of screw draft faces so that when closed they are air tight.

### Automatic Gas Cover

This is designed to fit tightly over the magazine and underneath the swing cover. It is automatic in that it rises and falls with the opening and closing of swing cover on all Jewel Base Burners.

### Reflector Top

It will be noticed that all Jewel Base Burners have handsome reflector tops. This is the most effective and by far the handsomest style top ever designed for Base Burners.

### Base Flues

Are designed to give maximum radiating surface near the floor. The center of the flue bottom is convex. This forces the heat to come in contact with the outside of the base, converting it into a very effective radiating surface.

## Emerald Jewel Base Burner

### A High Grade Base Burner at a Medium Price

For Hard Coal.

**T**HE EMERALD embodies all that is modern in Base Burner construction. It includes the famous Jewel Triangular Double Heating Flue construction, which gives it greater heating capacity, size of fire pot considered, than any other base burner of its class. It has a beautiful reflector top; swell front with maximum mica surface; big, flaring, nickeled side wings; handsomely nickeled legs and heavy foot rails of attractive design. It is one of the most attractive Base Burners ever shown for the money. A study of its construction will show you that it is strictly up-to-date.

#### Triangular Double Heating Flue

Because of its shape and location has at least one-third more efficiency than the ordinary double heating flue. See drawing page 118. Extends from the base to top at the back of the stove and is surrounded by heating surfaces and draws cold air from the floor and expels it highly heated, thus adding greatly to the heating capacity of the Base Burner and utilizing every inch of radiating surface. Keeps the air of the room in constant circulation, insuring even heat.

#### Jewel Two Flue Construction

The Jewel Two Flue plan makes the entire base and back of the stove an effective radiating surface, thus getting maximum benefit from the fuel.

#### The Hot Air Circulating Flue

Is connected with a double heating collar at the top, providing a most powerful double heating attachment for heating rooms on an upper floor.

#### Large Ash Pit

And bailed steel ash pan.

#### Improved Duplex Grate with Shaking Ring

Duplex grate cuts out the clinkers and dead ashes, and has ample space to turn them into the ash pan without crushing the clinkers or using a poker. Shaking ring clears the ashes from the outer edge of fire pot.

#### Fire Pot

Is extra heavy and made nearly perpendicular, so that ashes will not lodge on its sides. Can be quickly removed by unscrewing the bolts holding front cast ring in place.

#### Automatic Inner Magazine Cover

Rises and falls with the swing of the top. Forms a tight covering under the nickeled top. Affords a double preventative against escaping gas; also protects nickel from tarnishing.

#### Flue Clean Out

Is in front, just below ash pit door, where it is instantly accessible.

#### Air-Tight Screw Draft Register

In ash door, and check draft ash suction damper in back, give positive control of fire.

#### Handsome Steel Base

Handsome base of plain, easily cleaned design. Gives a substantial appearance to the entire stove.

#### Nickeled Parts as Follows:

Beautifully polished triple reflector; front head piece and nickeled side head piece. Large, handsome side wings which make the stove appear very large. Handsome nickeled two-piece side rails. Nickeled front name plate. Handsomely ornamented legs and nickeled steel base. Nickeled swing cover, and an urn in keeping with the stove.



Jewel Duplex Grate



## Emerald Jewel

Self-Feeding Base Burner

Double Heater

For Hard Coal

| No. | Inside Diameter<br>of Fire Pot | Floor Space | Weight | List           | Code       |
|-----|--------------------------------|-------------|--------|----------------|------------|
| 314 | 14 in.                         | 26½ x 26½   | 355    | <b>\$84.50</b> | Canvasback |
| 315 | 15 in.                         | 27½ x 27½   | 395    | <b>92.00</b>   | Captain    |
| 316 | 16 in.                         | 27½ x 27½   | 445    | <b>99.50</b>   | Capsule    |
| 317 | 17 in.                         | 27½ x 27½   | 550    | <b>107.00</b>  | Rocket     |

## Magic Jewel

### Brilliantly Trimmed, Double Heating Base Burner, Nickeled Cast Base, at a Very Low Price

For Hard Coal.

**T**HIS stove presents an unparalleled combination of beauty and practical utility at low cost. It has handsome nickeled reflector top. The entire nickeled surface is highly carved and the design gives the entire heater a broad, substantial appearance. A study of the description of the Magic Jewel will show that it has all the features usually found in Base Burners sold at much higher prices.

#### Castings

Made from Kemi-Test metal. Exceptionally smooth, tough and durable. The ash pit and base castings are handsomely carved in a very neat, graceful pattern, giving an impression of massiveness and durability.

#### Hot Air Circulating Flue

Takes cold air from the floor and expels it from the top, intensely heated.

#### The Jewel Two Flue Plan of Construction

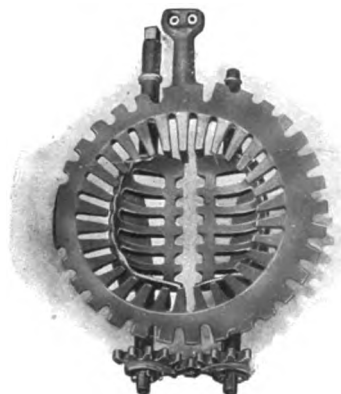
Is followed in this stove, making it a powerful base heater. The smoke and heat pass through the down flue around the entire base to the up flue before reaching the smoke pipe.

#### The Heavy Fire Pot

Is made in one piece and is very durable. It can be easily taken out by removing the fire pot ring just below upper front mica door.

#### Automatic Gas Cover

Is fitted air-tight. Rises and falls with the opening and closing of handsome nickeled swing cover. This automatic gas cover not only prevents escape of gas, but also prevents heat tarnishing nickeled swing top.



Jewel Duplex Grate

#### The Duplex Grate and Shaking Ring

On the Magic Jewel is of exactly the same pattern as used on our higher grade base burners and is the easiest operating and most economical grate known. A slight movement of the shaking ring from right to left is sufficient to clean out all dead ashes from the sides of the fire pot to the center of the grate. One turn of the shaker throws all dead ashes and clinkers into the ash pan below.

#### Large Magazine

Holds an ample supply of fuel. Is made from Kemi-Test metal and of correct weight to insure great durability.

#### All Nickeling

On this and other Jewel Base Burners is done by a process exclusive with our factory. It will be noticed that this nickel is exceptionally brilliant—it has the very finest polish and does not easily tarnish. Nickel work is all removable for storing away during summer months.

#### Fitting and Mounting

One of the features that has helped Jewel Base Burners earn their splendid reputation for heating efficiency and fuel economy is the fine class of work done in mounting and fitting. All joints are cup joints and set in fire-proof cement, making them absolutely gas and air-tight. All fitting faces of doors are ground to an exact fit so that the stove is under perfect control of the damper system.

#### Nickeled Parts

Cast base and legs. Heavy foot rails. Very attractive name plate on ash pit top. Handsome ash pit screw damper. Elegant side wings extending along the entire length of fire chamber. Massive top and reflector head. Swinging top. Knobs. Poker.



## Magic Jewel

Self-Feeding Base Burner

Double Heater

For Hard Coal

| No. | Inside Diameter<br>of Fire Pot | Floor Space | Weight | List    | Code      |
|-----|--------------------------------|-------------|--------|---------|-----------|
| 113 | 12 in.                         | 23 x 24     | 290    | \$66.00 | Captaincy |
| 115 | 14 in.                         | 24½ x 26½   | 325    | 72.25   | Captious  |
| 117 | 16 in.                         | 26 x 28     | 370    | 78.50   | Captive   |

## Ruby Jewel

### Brilliantly Trimmed, Double Heating Base Burner, Nickeled Steel Base---Exceptional Value for the Price

For Hard Coal.

**I**N general appearance the Ruby Jewel is the same as the Magic illustrated on page 124. It is not, however, quite as large or heavy and has a nickeled steel base. Only our exceptional facilities enable us to manufacture this heater to sell at the prices quoted.

#### Castings

Made from Kemi-Test metal. Exceptionally smooth, tough and durable. The ash pit and base castings are handsomely carved in a very neat, graceful pattern, giving an impression of massiveness and durability.

#### Hot Air Circulating Flue

Takes cold air from the floor and expels it from the top, intensely heated.

#### The Jewel Two Flue Plan of Construction

Is followed in this stove, making it a powerful base heater. The smoke and heat pass through the down flue around the entire base to the up flue before reaching the smoke pipe.

#### The Heavy Fire Pot

Is made in one piece and is very durable. It can be easily taken out by removing the fire pot ring just below upper front mica door.

#### Automatic Gas Cover

Is fitted air-tight. Rises and falls with the opening and closing of handsome nickeled swing cover. This automatic gas cover not only prevents escape of gas, but also prevents heat tarnishing nickeled swing top.

#### The Duplex Grate and Shaking Ring

On the Ruby Jewel is of exactly the same pattern as used on our higher grade base burners and is the easiest operating and most economical grate known. A slight movement of the shaking ring from right to left is sufficient to clean out all dead ashes from the sides of the fire pot to the center of the grate. One turn of the shaker throws all dead ashes and clinkers into the ash pan below.

#### Large Magazine

Holds an ample supply of fuel. Is made from Kemi-Test metal and of correct weight to insure great durability.

#### All Nickeling

On this and other Jewel Base Burners is done by a process exclusive with our factory. It will be noticed that this nickel is exceptionally brilliant—it has the very finest polish and does not easily tarnish. Nickel work is all removable for storing away during summer months.

#### Fitting and Mounting

One of the features that has helped Jewel Base Burners earn their splendid reputation for heating efficiency and fuel economy is the fine class of work done in mounting and fitting. All joints are cup joints and set in fire-proof cement, making them absolutely gas and air-tight. All fitting faces of doors are ground to an exact fit so that the stove is under perfect control of the damper system.

#### Nickeled Parts

Nickeled base strips and legs. Heavy foot rails. Handsome ash pit screw draft. Elegant side wings extending along the entire length of fire chamber. Massive top and reflector head. Swinging top. Knobs. Poker.



Jewel Duplex Grate



## Ruby Jewel

Self-Feeding Base Burner

Double Heater

For Hard Coal

| No. | Inside Diameter<br>of Fire Pot | Floor Space | Weight | List           | Code      |
|-----|--------------------------------|-------------|--------|----------------|-----------|
| 13  | 12 in.                         | 21½ x 22½   | 280    | <b>\$59.50</b> | Captivity |
| 15  | 14 in.                         | 22½ x 24½   | 315    | <b>65.75</b>   | Captor    |
| 17  | 16 in.                         | 24½ x 26½   | 360    | <b>72.00</b>   | Capulet   |

Not fitted with Double Heater Collar.



## Air Blast Jewel Heater

For Soft Coal, Slack and Siftings.

**T**HE Air Blast Jewel is an air-tight construction, built on approved scientific principles. It offers the user the appearance of a high grade stove suitable for the living room and the highest efficiency and economy in burning slack or soft coal.

The successful economical way to burn soft coal is to coke it. The Air Blast Jewel cokes the fuel. By means of an improved hot blast construction and a slotted fire pot, warmed air is fed to the edges of the fire toward the center (not at the center); this results in the fuel being properly coked. The gases and carbon liberated from the fuel are burned in the process of coking and converted into heat units. This means not only highest efficiency, but it also means the utmost cleanliness possible when soft coal or similar fuel is used.

The line between success and failure in the construction of air-tight soft coal burning stoves is very fine. By using scientific methods through which we have been able to adjust the air blast construction in exact ratio to the size of the fire pot and combustion chamber, we have reached the point of efficiency and satisfaction which in other constructions is just missed. Special attention is invited to the grate and fire pot construction of the Air Blast Jewel, for it is upon the exact, accurate construction of these, in combination with other features, that we have achieved success.

It is almost needless to say that the finest grade materials are used in the construction of the Air Blast Jewel. The castings are all made from Kemi-test metal, the steel radiator is mounted with particular care, being set in deep cup joints, the edges turned outwards so they do not come in contact with the fire. The fitting faces of all doors are ground true to fit air-tight.



Illustration showing slots which feed air to edges of fire and Hot Blast Ring which supplies oxygen above fire, resulting in the coking of the coal and perfect combustion.



Jewel Air Blast Draw Center Grate with Center Bar closed.

## Details of Air Blast Heater

### Air Blast Fire Pot

You will note that this not only has deep corrugations on the outside insuring durability and greatest possible radiation of heat, but the inside is built with a number of slots. Through these slots warmed oxygen is fed to the edges of the body of fire, which, uniting with the gases liberated from soft coal, secures perfect combustion and proper coking of the fuel. The fire pot is perpendicular in shape preventing ashes collecting on the sides and interfering with radiation.

### Hot Blast Ring with Screw Draft Register

fits directly above the fire pot. Air enters through the screw draft and passing into the hot blast ring becomes warmed and is discharged into the fire chamber immediately over the fire zone, where it unites with the smoke and gases, causing complete combustion, so that every possible heat unit is extracted from the fuel and the utmost fuel economy assured.

### Jewel Air Blast Draw Center Grate

This grate is an exclusive Jewel design. Please note that the draw center is solid. The bottom grate is slotted only on the sides. This peculiar construction assists in the coking process alluded to above and is part of the scientific plan through which such eminently successful results are secured in burning soft coal and slack. The air does not permeate the bed of the fire through its center, as in stoves of direct draft construction, but enters entirely from the edges of the grate and sides of the fire pot. The draw center shaker rests on a ball-bearing base and a very slight effort is sufficient to agitate it and free the fire from ashes and clinkers. This grate is remarkably durable. It will be noted that it varies greatly from the usual constructions; grates of this class are usually made in two sections, the one sliding over the other, which means of necessity they must be light in weight. The result is that the fierce heat from soft coal soon burns and warps them out of shape so that it is difficult if not impossible to operate them. The Jewel Air Blast Draw Center Grate eliminates all such drawbacks. It is heavy and durable and will outlast any ordinary grate. Drawing out the center bar drops the ashes from the center of the fire pot directly into the ash pan.

### Hot Air Circulating Chamber

Between the cast jacket and the steel drum is a space which forms a circulating air chamber, making this stove a double heater and giving it greater radiating power than ordinary constructions.

### The Body

of the Jewel Air Blast consists of a heavy cast iron drum encased in an elaborately carved, open-work, cast-iron body, providing an exceptionally large area of radiating surface and giving the stove an exceedingly attractive appearance.

### Large Double Feed Doors

have fitting faces ground to fit air-tight and provide sufficient space to feed large pieces of soft coal. Lower section of feed door has mica opening protected by metal gauze, thus keeping the mica bright and clean. Lower section is fitted with self-locking handle.

### Large Ash Pit

provides ample room for a bailed ash pan of unusual size and capacity. Edges of swing ash pit door are ground to fit air-tight.

### Handsome Nickeled Swing Top

has cover below for heating water, etc.

### Attractive Nickel Urn

of newest style is mounted on nickel swing top.

### Leg Base

is of strong, massive construction and handsomely carved.

### Nickeled Parts

Beautiful rolling foot rails. Large side wings. Ash pit door handle and screw draft register. Feed door handle and panel in upper section. Swinging top.



Jewel Draw Center Grate with Center Bar withdrawn for dumping ashes into the Ash Pan.



## Air Blast Jewel Heater

Single Heater, Black Base.  
For Soft Coal, Slack and Siftings.

| No.                |                                     | Floor Space | Weight | List           | Code    |
|--------------------|-------------------------------------|-------------|--------|----------------|---------|
| 141                | Inside Diameter of Fire Pot, 14 in. | 23 x 23     | 310    | <b>\$50.25</b> | Absurd  |
| 161                | Inside Diameter of Fire Pot, 16 in. | 25 x 25     | 350    | <b>59.00</b>   | Abound  |
| 181                | Inside Diameter of Fire Pot, 18 in. | 27 x 27     | 385    | <b>69.00</b>   | Absolve |
| Nickel Base, extra |                                     |             |        | <b>5.50</b>    | Button  |

## Vulcan Jewel Heater

With Ash Pan.

**Saves One-Third the Fuel; Holds Fire 36 Hours or Longer  
Requires No More Attention than a Hard Coal Base Burner**

For Soft Coal.

**T**HE success of the Vulcan Jewel has been built upon its attractive appearance and superior operating features. We offer the Vulcan Jewel as the one completely successful hot blast soft coal burner. Its merit is founded on the scientific hot blast construction; the high grade of materials and the skilled workmanship which insures the perfect fitting of every part. All castings are sufficiently heavy to perform the service for which they are intended. We claim for the Vulcan Jewel the utmost heating efficiency, durability and fuel economy that it is possible to secure from this class of soft coal heater. There is no heater sold at its price which in any way approaches it in quality and all-around efficiency.



Showing interior construction and operation of the Vulcan Jewel.

### **Saves One-Third the Fuel**

Operated according to instructions the Vulcan Jewel burns a very high percentage of the gas and carbon liberated from soft coal or slack, converting them into heat. Burns soft coal, siftings and slack with cleanliness because it effects perfect combustion of these fuels and thus saves a full third of the fuel compared with lower draft stoves. Thousands have proved this to their entire satisfaction.

### **Holds Fire 36 Hours**

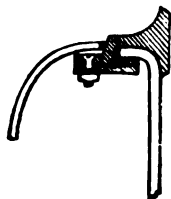
The Vulcan Jewel operated according to instructions, will hold fire 36 hours or more without attention. Supplies heat from one to two hours each morning with the fuel put in the night before. Requires no more attention than a good hard coal base burner. Any grade of soft coal may be used with satisfactory results.

### **Top Hot Blast Draft and Upper Front Draft**

The Vulcan Jewel is not only supplied with an ample volume of hot air, but this hot air reaches it at all points of combustion, thus making a more complete and effective union with the gases than is possible in other stoves, the result being the greatest attainable economy of fuel. This is the meat for the Hot Blast Construction of the Vulcan Jewel.

To effect perfect combustion of gases liberated from soft coal, it must be understood that the chemical union of the air and gases cannot occur until air is heated to over 500° Fahrenheit. Air enters the fire chamber of the Vulcan through the top central swinging hot blast draft and through the upper front draft. In passing through these two channels it becomes heated to the temperature required and freely mingling with the gases it effects perfect combustion.

Regardless of claims made by others it will be readily understood that to accomplish more than this is absolutely impossible.



Joint at Top of Jacket.

### **Extra Heavy Sheet Steel Jacket**

is fitted in cup joints at top and bottom and edges are protected in both cases, insuring the utmost durability. Please note illustration above showing joint at top of jacket.



### **Large Feed Door**

at top is fitted air-tight. When this door is thrown open a draft is created which carries the soot and smoke to the chimney, making the door smoke proof.

### **Air-Tight Construction**

The Vulcan is air-tight in fact as well as in name. The Jewel method of triple inspection and adequate testing insures this.

### **Heavy Circular Cast Lining**

above fire pot and heavy sheet steel lining above casting lining reaching to the top of the stove protect the outer steel body. Between linings and outer jacket is an air space which affords protection to both linings and body. The Hot Blast in the side gives a circulation of air between the Cast Iron Fire Pot and the steel body which causes the Vulcan linings of fire pot to last longer than other Hot Blast Heaters.

### **Hot Blast Tube Swings**

so that it is never in the way when fuel is fed to the stove.

### **Hot Blast Damper**

is operated without moving the swing cover.

### **Roomy Ash Pit**

is fitted with large bailed ash pan.

### **Nickeled Parts**

Polished nickel steel foot rail held in place by nickeled supports. Polished nickeled steel band on front base. Polished nickeled steel top band. Nickeled lower screw draft register (kept closed except when a fire is being started). Nickeled open-work swinging top. Handsome urn.



## Vulcan Jewel

Hot Blast Heater, with Upper Screw Draft Register.  
For Soft Coal.

| No. |                          | Floor Space | Weight | List    | Code    |
|-----|--------------------------|-------------|--------|---------|---------|
| 115 | Diameter of Body, 15 in. | 19 x 19     | 165    | \$33.25 | Coating |
| 118 | Diameter of Body, 18 in. | 22½ x 22½   | 240    | 42.00   | Coax    |
| 121 | Diameter of Body, 21 in. | 25 x 25     | 310    | 52.00   | Coaxing |

For full description see preceding pages.



## Pluto Jewel

Hot Blast Heater.

For Soft Coal.

| No. |                          | Floor Space | Weight | List    | Code     |
|-----|--------------------------|-------------|--------|---------|----------|
| 12  | Diameter of Body, 12 in. | 15 x 15     | 85     | \$19.50 | Cob      |
| 14  | Diameter of Body, 14 in. | 16 x 16     | 110    | 21.50   | Cobalt   |
| 16  | Diameter of Body, 16 in. | 17 x 17     | 125    | 23.75   | Cobaltic |
| 18  | Diameter of Body, 18 in. | 19 x 19     | 145    | 27.75   | Cynic    |

The Pluto Jewel is built on the same general principles as the Vulcan, described on page 131, except that the upper draft around the fire pot is omitted. The construction is lighter and has double seamed steel bottom, enabling us to furnish a very desirable stove at a low price. The ash pit is positively air tight. Handsome nickeled steel foot rail, and top band; nickeled draft cover on ash door.

## Air Blast Jewel Oak

### Highest Grade Oak Soft Coal Burner Manufactured

**T**HE Air Blast Jewel Oak is different from any other Oak. It surpasses all others in efficiency of its hot blast construction. It satisfies those who want the best Oak ever built for burning soft coal or slack.

The "Air Blast" Jewel Oak firepot and air blast construction cokes the fuel. Any soft coal expert will tell you that the way to get the best results from soft coal or slack is to coke it. Warm air is fed around the edges of the fire—and above it—thus it burns toward the center and as the gases are liberated and burned they are converted into heat units and the coal is coked, giving a solid body of fire. This process gets all the heat from the fuel and leaves few ashes or clinkers.

#### Effective Coking of Fuel

The Air Blast Jewel and the Air Blast Jewel Oak are stoves designed on strictly scientific lines by which the user may be always sure of satisfactory results. The fire pot and air blast ring by means of which the coking process is always assured are described in detail below. It is important to study these features. The exact proportioning of the admixture of warm air to the size of the fire chamber—the size of the fire pot—the size of the grate, are what count. It is by scientific exactness that we accomplish in the Air Blast Jewel Oak the very results which others just miss.

#### Air Blast Fire Pot

not only has deep corrugations on the outside insuring durability and greatest possible radiation of heat, but the inside is built with a number of slots. Through these slots warmed oxygen is fed to the edges of the body of the fire which uniting with the gases liberated from soft coal, insures perfect combustion and proper coking of the fuel. The fire pot is perpendicular in shape, preventing ashes collecting on the sides and interfering with radiation.

#### Hot Blast Ring with Screw Draft Register

fits directly above the fire pot. Air enters through the screw draft and passing into the hot blast ring becomes warmed and is discharged into the fire chamber immediately over the fire zone, where it unites with the smoke and gases, causing complete combustion.



Illustration showing construction of Air Blast Oak Jewel Fire Pot and Hot Blast Ring.

#### Jewel Air Blast Draw Center Grate

An exclusive Jewel design assuring efficiency and durability. The draw center is solid and the ring only is slotted. This peculiar construction assists in the coking process and is part of the scientific plan through which such eminently successful results are secured in burning soft coal and slack. Air does not permeate the bed of the fire through its center as in stoves of direct draft construction, but enters from the edges of the grate and sides of the fire pot. The draw center shaker rests on a ball bearing base and a very slight effort is sufficient to agitate it and free the fire from



Air Blast Oak Jewel Draw Center Grate.

#### Body

is made of one piece of heavy cold rolled sheet steel, all edges and joints properly protected.

#### Large Double Feed Doors

provide sufficient space to feed large pieces of soft coal and have fitting faces ground to fit air-tight. Lower section of feed door has mica opening protected by metal gauze, thus keeping the mica bright and clean, and is fitted with self-locking handle.

#### Large Ash Pit

provides ample room for a bailed ash pan of unusual size and capacity. Edges of swing ash pit door are ground to fit air-tight.

#### Nickled Parts

Beautiful rolling foot rails. Large side wings. Ash pit door handle and screw draft registers. Feed door handle and panel in upper section. Swinging top. Polished nickel steel top band.





## Air Blast Jewel Oak

With Steel Body.

For Soft Coal, Slack or Siftings.

| No.                |                          | Floor Space | Weight | List           | Code    |
|--------------------|--------------------------|-------------|--------|----------------|---------|
| 14                 | Diameter of body, 14 in. | 25 x 25     | 220    | <b>\$43.75</b> | Adapt   |
| 16                 | Diameter of body, 16 in. | 26 x 26     | 245    | <b>48.75</b>   | Adage   |
| 18                 | Diameter of body, 18 in. | 27 x 27     | 290    | <b>55.00</b>   | Abject  |
| Nickel Base, extra |                          |             |        | <b>5.50</b>    | Avenged |

## **Jewel Oak Heaters**

### **In Assortment and Price the Jewel Line Meets Every Demand of the Trade**

**T**HE points which have made Jewel Oak Heaters the most popular sellers, are the materials from which they are made, the high grade workmanship, the care exercised in mounting and fitting, and the good taste displayed in designing. Non-Ox Metal is used exclusively for the bodies. The castings are made from Kemi-test metal, which is chemically analyzed and tested to insure uniform quality, strength and durability. The Kemi-test process also insures quick radiating castings and a smoothness and quality not to be secured in any other way.

The efforts of our Oak manufacturing department are centered on making these stoves as nearly air-tight as possible. The ash pit door and frames and feed doors and frames are carefully ground and fitted so that they fit with the utmost accuracy. This means that there is no leakage of air, and is one of the "reasons why" buyers of high grade Oaks prefer Jewel Oaks.

### **Body Construction**

Too much emphasis cannot be placed upon the quality of materials used in making Jewel Oak bodies and the method by which all edges are protected from the direct action of the heat. Non-Ox Metal is used in making the drums. The fire pot is made with a deep flanged cup with the inner wall projecting above the flange on the outer wall. The bottom edge of the drum is flanged and fits into the cup joint of the fire pot, which is then tightly packed with asbestos cement. An outside cast deflecting ring is then fitted over the flanges and the steel drum and fire pot are thus securely bolted together, making the tightest possible joint.

### **Jewel Duplex Grate**

This is placed in the more expensive grade of Jewel Oaks and is the most effective, economical and easiest operating grate ever designed—rests on ball bearings. A slight agitation of the shaking ring precipitates all dead ashes from the sides to the center and one turn of the shaking crank cuts out all clinkers and dead ashes without disturbing the main body of the fuel.

### **General Plan of Construction**

Torrid Jewel Oak fitted with feeder, and feeder can be furnished extra on Prince, Classic and Novel Oaks. Duplex grate is fitted on all except Novel Oak and Gem Oak. Hot Blast Ring is furnished on Torrid and Prince Oak.

## Prince and Torrid Jewel Oaks

### Superbly Finished Oaks with Hot Blast Ring and Self Feeder

For Coal or Wood.

**T**HESE Oak Jewels with rich nickel ornamentation will be instantly recognized as the highest class Oaks produced. Unusually strong and heavy in construction, body being made of Non-Ox Metal. All joints are protected by an exclusive Jewel method. Castings are made from Kemi-test metal. Has an extra large ash pit and ash pan; an extra heavy durable corrugated fire pot and pressed steel base strips. Torrid Oak has double heater and fitted with magazine.

#### Fire Pot

is extra heavy and durable and cast from Kemi-test metal. Deep corrugations insure maximum radiating power.

#### Duplex Grate and Ball Bearing Shaking Ring

is extremely easy to operate and economical with fuel. A slight agitation of the shaking ring forces out all dead ashes, and one turn of the crank deposits ashes and clinkers in large ash pan. Steel balls on which the shaking ring operates, reduce friction and labor to the minimum. When reversed Duplex Grate makes a good wood fire bottom.

#### Hot Blast Ring

is placed immediately above the fire pot and feeds heated oxygen to edges of the fire towards the center, where it mingles with the gases, creating perfect combustion. It also has the advantage of protecting the body of the stove where it needs protection most—at the lower part of the steel drum where the body joins the fire pot.

#### Air-Tight Screw Draft Register

in feed door controls operation of hot blast ring.

#### Large Air-Tight Ash Pit

with bottom sunk permits use of a deep ash pan. The sunken bottom also prevents drawing out ashes on floor when removing ash pan.

Extra large bailed ash pan.

#### Large Double Feed Door

with heavy cast frame. Special care is used in grinding and fitting both door and frame, thus preventing any possibility of leakage. Lower section of door is fitted with self-locking handle and upper section has handsome nickeled panel.

#### Hinged Screw Draft Register

on ash pit door regulates direct draft. Has air-tight fitting faces giving perfect control of the fire. Grate is operated from an opening under this screw draft register.

#### Magazine for Hard Coal

or self-feeder is furnished with this stove.

#### Steel Base

is light, strong and durable. Easily packed for shipping. Will not crack or break.

#### Nickeled Parts

Broad ornamental cast foot rail. Nickeled side wings. Upper feed door panel. Screw draft register on feed door and on ash pit door. Polished steel top band. Handsome brass and copper urn.

#### Prince Jewel Oak

The Prince Jewel Oak is identically the same as the Torrid with the exception that the body of Prince is made in either cast iron or steel and the Prince does not have the double heating attachment.



Back view of Torrid Oak showing Hot Air Ventilating Flue.



## Torrid Oak Jewel, with Wings

Double Heater with Magazine.

For Coal.

| No.                                     |                          | Floor Space | Weight | List           | Code    |
|---|--------------------------|-------------|--------|----------------|---------|
| <b>14W</b>                              | Diameter of body, 14 in. | 25 x 25     | 225    | <b>\$50.00</b> | Buzz    |
| <b>16W</b>                              | Diameter of body, 16 in. | 26 x 26     | 250    | <b>55.00</b>   | Buzzard |
| <b>18W</b>                              | Diameter of body, 18 in. | 27 x 27     | 300    | <b>61.25</b>   | Buzzer  |
| Nickeled Base, extra                    |                          |             |        | <b>4.25</b>    | Bygone  |
| If desired without Nickel Wings, deduct |                          |             |        | <b>2.75</b>    | Bylaw   |



## Prince Oak Jewel, with Wings

With Sheet Steel Body.

For Coal or Wood.

| No.   |                          | Floor Space | Weight | List           | Code      |
|---|--------------------------|-------------|--------|----------------|-----------|
| 214W  | Diameter of body, 14 in. | 23 x 23     | 185    | <b>\$41.00</b> | Byway     |
| 216W  | Diameter of body, 16 in. | 25 x 25     | 210    | <b>44.75</b>   | Byword    |
| 218W  | Diameter of body, 18 in. | 27 x 27     | 260    | <b>49.75</b>   | Buttoned  |
| 221 (without wings)   | Diameter of body, 21 in. | 30 x 30     | 330    | <b>57.50</b>   | Brighten  |
| Magazine Feeder, extra, Nos. 14, 16 and 18, <b>\$4.25</b> ; No. 21, <b>\$6.25</b> |                          |             |        |                | Brilliant |
| Nickel Base, extra  |                          |             |        | <b>4.25</b>    | Brim      |
| If desired without Nickel Wings, deduct   |                          |             |        | <b>2.75</b>    | Butternut |



## Prince Oak Jewel, without Wings

With Cast Body, Ash Pan and Steel Base. For Coal or Wood.

| No.   |                          | Floor Space | Weight | List           | Code      |
|---|--------------------------|-------------|--------|----------------|-----------|
| <b>314</b>                                    | Diameter of body, 14 in. | 23 x 23     | 195    | <b>\$38.25</b> | Brimming  |
| <b>316</b>                                    | Diameter of body, 16 in. | 25 x 25     | 220    | <b>42.00</b>   | Brimstone |
| <b>318</b>                                    | Diameter of body, 18 in. | 27 x 27     | 265    | <b>47.00</b>   | Brinded   |
| Magazine Feeder, extra, Nos. 314, 316 and 318 |                          |             | 30     | <b>4.25</b>    | Brine     |
| Nickel Wings, extra                           |                          |             |        | <b>2.75</b>    | Bring     |
| Nickel Base, extra                            |                          |             |        | <b>4.25</b>    | Briny     |



## Prince Oak Jewel

One and One-Half Sections High.

With Sheet Steel Body.

| No.         |                          | Floor Space | Weight | List           | Code    |
|-------------|--------------------------|-------------|--------|----------------|---------|
| <b>218X</b> | Diameter of body, 18 in. | 27 x 27     | 285    | <b>\$55.00</b> | Briton  |
| <b>221X</b> | Diameter of body, 21 in. | 30 x 30     | 350    | <b>66.25</b>   | Brittle |

## Classic and Novel Jewel Oaks

### New Plain Finish Designs

**T**HE great demand for plain finish easily cleaned castings and nickel work led us to design the Classic and Novel Oaks along these lines. Note the unusually smooth and substantial finish. The Classic differs from the Novel in that it has a Duplex Grate, cast base, nickel side wings and nickel ornament on front door. The Novel Oak has a draw center shaking grate, cast legs but no base. These are two of the finest designed and most substantial Oaks we have ever made.

#### Heavy Kemi-Test Castings

All castings in this stove are made from Jewel Kemi-test iron. This iron is analyzed and tested by an expert chemist before it is run to insure against imperfections of every kind.

#### Mounted with Extra Care

All castings in this stove are carefully ground and fitted before being mounted. Mounting of the stove is done under the supervision of expert inspectors who watch every detail of construction and reject all work that does not come up to the high standard of perfection for which Jewel Stoves are noted.

#### Heavy Sheet Steel Drums

The heavy sheet steel drum or upper body is made of extra heavy cold rolled steel, which has a highly polished surface that does not require blacking. This steel will not chip or peel and it retains its beautiful blue lustre during the lifetime of the stove.

#### Corrugated Fire Pot

The fire pot in this stove is made of Jewel Kemi-test metal and is scientifically designed to burn a minimum amount of fuel. To insure the greatest heat radiating surface it is corrugated on the outside, and to insure great durability the castings are extra heavy. Duplex grate and shaking ring on Classic. Draw center shaking grate on Novel.

#### Improved Flanged Cup Joint

A flanged cup joint of special design is employed where the steel body is joined to the fire pot. The edge of the steel is flanged and fits into a cup in the fire box casting, packed with asbestos cement. An outer cast ring fits over the flange and is bolted to the fire pot.

#### Ash Pit and Doors

The stove is equipped with an extra large ash pit and a large ash pit door. Special

care is exercised in the fitting of this door so that it is practically air tight, which obviates the danger of air reaching the fire when door is closed.

#### Feed Doors

Large feed doors are provided. For feeding large chunks of wood where wood is burned this door is an especially desirable feature. The handle is of a self locking type.

#### Dampers

Perfect control of the fire is assured by a screw draft damper in the ash pit door, and a screw draft damper in the feed door. All parts being fitted so they are smoke and air tight renders this stove a great fire keeper.

#### Heavy Attractive Leg Base on Classic

The base of this stove is made extra strong and substantial. The legs are of pleasing design and are supported and braced by a cast frame which gives the stove great rigidity and protects the legs against danger of breakage.

#### Swinging Cover and Top Opening

The stoves are provided with swinging top covers which when pushed aside offer convenient places for boiling water or heating utensils. An opening is provided with cover so that fuel can be fed through the top if desired.

#### The Design and Nickeling on Classic

The castings are smooth, plain finish design. Nickeled footrails, nickeled side wings, panel on door, screw draft registers on ash pit and feed doors.

#### Nickeling on Novel

Nickeled footrails, self locking handles, screw draft registers on ash pit and feed doors. All these parts are nickeled by the Jewel special process, which gives them a lustre like silver. An attractive urn surmounts the stove.





## Classic Oak Jewel

Non-Ox Body. For Coal or Wood.

| No.          | Diam. of Body | Floor Space | Weight | List           | Code   |
|--------------|---------------|-------------|--------|----------------|--------|
| 14           | 14 in.        | 21 x 21     | 150    | <b>\$27.50</b> | Season |
| 16           | 16 in.        | 23 x 23     | 155    | <b>32.50</b>   | Seat   |
| 18           | 18 in.        | 25 x 25     | 165    | <b>37.50</b>   | Sedan  |
| Feeder Extra |               |             |        | <b>3.75</b>    | Seek   |



## Novel Oak Jewel

Non-Ox Body. For Coal or Wood.

| No.          | Diam. of Body | Floor Space | Weight | List           | Code   |
|--------------|---------------|-------------|--------|----------------|--------|
| 14           | 14 in.        | 20 x 20½    | 120    | <b>\$23.75</b> | Seem   |
| 16           | 16 in.        | 22 x 22½    | 150    | <b>27.50</b>   | Serene |
| 18           | 18 in.        | 24 x 24½    | 200    | <b>31.25</b>   | Serf   |
| Feeder Extra |               |             |        | <b>3.75</b>    | Serial |



Back View Gem Oak showing  
Natural Gas Ring

## Gem Oak Jewel

Non-Ox Metal Body. For Coal or Wood.

| No.                                   | Diameter<br>of Body | Floor Space | Weight | List           | Code    |
|---------------------------------------|---------------------|-------------|--------|----------------|---------|
| 210                                   | 10 in.              | 16 x 16     | 70     | <b>\$13.25</b> | Cocoon  |
| 212                                   | 12 in.              | 18 x 18     | 80     | <b>15.75</b>   | Coctile |
| 214                                   | 14 in.              | 20 x 20     | 100    | <b>18.25</b>   | Coction |
| 216                                   | 16 in.              | 22 x 22     | 115    | <b>22.25</b>   | Coeval  |
| Natural Gas Ring for 214 and 216 only |                     |             |        | <b>2.50</b>    | Royal   |
| Cock and Mixer Extra                  |                     |             |        | <b>1.75</b>    | Sermon  |

**Details.** A well-made Junior Oak stove. Improved top and ash door. Screw draft register in ash door. New swinging cover. One six-inch lid on top. Large air tight feed door. Check draft damper. Large ash pan. Draw center grate. Burnished nickled top band, and ornamental cast nickel fire pot ring. Heavy smooth Non-Ox body. Cast parts attractively carved and well mounted. Improved self-locking handle. Attractive spun metal urn.



## Factory Jewel Heater

For Soft Coal,  
Hard Coal, Slack,  
Siftings, Coke,  
Wood.

| No. |                              | Weight | List    | Code   |
|-----|------------------------------|--------|---------|--------|
| 124 | Diameter of Fire Pot, 24 in. | 750    | \$95.00 | Reaper |

### Details

This is the best constructed and most durable plain heater ever built, especially designed to stand the strain and hard usage to which a stove is subjected in heating very large spaces, such as foundries, factory rooms, depots, warehouses, stores, public halls, etc.

It has an extra heavy, durable fire pot; heavy cast cylinder above the line of fire, to prevent steel drum from coming into direct contact with the fire. The large flange on top cylinder holds fine ashes which protect the drum; very heavy Duplex grate, which, with one movement of the crank, cuts out clinkers and dead ashes; large extra heavy, self-mounting, drop feed door, with check damper, door so arranged that it can be partially opened for holding fire over night, door has no lugs to break off and no pins to lose; best heavy Non-Ox drum; roomy, sunken ash pit; large ash pit door with screw draft register; wide flat cast iron fire pot rings; all bolts, in parts which are exposed to the fire, are placed outside the stove and cannot burn off. Will hold fire over night. We built this stove for heating our own foundry buildings.



## Station Jewel

For Railroad Stations, etc. Burns Any Kind of Fuel.

| No. |   | Floor Space | Weight | List    | Code    |
|-----|---|-------------|--------|---------|---------|
| 14  | Diameter of Fire Pot, 14 in.                              | 24 x 24     | 200    | \$31.00 | Jay     |
| 17  | Diameter of Fire Pot, 17 in.                              | 26 x 26     | 220    | 36.75   | Jangle  |
| 20  | Diameter of Fire Pot, 20 in.                              | 28 x 28     | 285    | 46.00   | Janitor |
| 20X | Diameter of Fire Pot, 20 in.<br>(With Extension Drum Top) | 28 x 28     | 300    | 51.75   | Jar     |

### Details

Large feed door, with check damper; shaking and dumping grate, with poker door just above it; large bailed ash pan; upper and lower cylinders, extra heavy, and shaped to allow for expansion, without cracking; broad top chamber secures a large additional radiating surface, throwing the heat downward; nine-inch griddle opening. A stove that is extra heavy and strong throughout; made for railroad stations, depot offices, warehouses, and other places where stoves are subject to hard usage.



## Western Jewel

Burns Any Kind of Fuel.

| No. |                              | Floor Space | Weight | List    | Code    |
|-----|------------------------------|-------------|--------|---------|---------|
| 11  | Diameter of Fire Pot, 11 in. | 17 x 17     | 85     | \$14.00 | Jargon  |
| 12  | Diameter of Fire Pot, 12 in. | 18 x 18     | 100    | 17.00   | Jasmine |
| 13  | Diameter of Fire Pot, 13 in. | 19 x 19     | 120    | 20.25   | Jasper  |
| 15  | Diameter of Fire Pot, 15 in. | 20 x 20     | 145    | 24.00   | Jaunty  |
| 17  | Diameter of Fire Pot, 17 in. | 22 x 22     | 175    | 28.00   | Javelin |
| 20  | Diameter of Fire Pot, 20 in. | 24 x 24     | 215    | 32.25   | Jaw     |

### Details

A cannon stove with all the latest improvements; griddle cover at the top; large coal feed door, with check register; shaking and dumping grate; large ash pit; draft register extending all around base of fire pot, admitting cold air equally to all parts of it at the same time, thus preventing the grate and fire pot from burning out. Full size ash pan.

## Rex Jewel Cannon

Nos. 3, 4, 5 and 6

Burns Any Kind of Fuel



| No. |                               | Floor Space | Weight | List    | Code     |
|-----|-------------------------------|-------------|--------|---------|----------|
| 3   | Diameter of Fire Pot, 8½ in.  | 15 x 15     | 35     | \$ 6.50 | Jump     |
| 4   | Diameter of Fire Pot, 9½ in.  | 16 x 16     | 45     | 8.25    | Jumper   |
| 5   | Diameter of Fire Pot, 10½ in. | 17 x 17     | 55     | 9.50    | Jumping  |
| 6   | Diameter of Fire Pot, 11½ in. | 18 x 18     | 65     | 10.75   | Junction |

An improved Cannon stove; large, coal feed door, with check register; shaking and dumping grate; roomy ash pit; griddle cover at top.

## Rex Jewel No. 62

Two Hole

For Coal.



| No. |                     | Floor Space | Weight | List    | Code  |
|-----|---------------------|-------------|--------|---------|-------|
| 62  | With two 8-in. lids | 18 x 18     | 80     | \$10.50 | Monad |

Will hold six irons at top; suitable for cooking; top admits use of 8-inch pit bottom or 8 or 9-inch flat bottom wash boiler; stove provided with a deflecting plate, which throws heat to the front of the top.



## Rex Jewel No. 64

For Coal. Four Hole.

| No. | Holes      | Floor Space | Weight | List    | Code |
|-----|------------|-------------|--------|---------|------|
| 64  | Four 8 in. | 17 x 17     | 90     | \$13.25 | Reap |

Will hold twelve irons on top; top will accommodate an 8-inch pit bottom, or 8 or 9-inch flat bottom wash boiler; suitable for cooking; has heavy, durable ring covers; heavy centers; cut long center; deflecting plate which throws heat to the front of the top.

## Rex Jewel No. 68L

Laundry Stove.

Illustrated

|            |                |          |
|------------|----------------|----------|
| No.        | Floor Space    |          |
| <b>68L</b> | Laundry Stove  | 18 x 18  |
| Weight     | List           | Code     |
| 105        | <b>\$15.50</b> | Magellan |

Holds six irons at top and eight laundry irons on sides; top admits of the use of an 8-in. pit bottom, or 8 or 9-in. flat bottom wash boiler; stove is provided with a deflecting plate, which throws the heat to the front of the top.



## Rex Jewel No. 68T

Tailors' Stove.

Not illustrated

|        |                |             |
|--------|----------------|-------------|
| No.    |                | Floor Space |
| 68T    | Tailors' Stove | 18 x 18     |
| Weight | List           | Code        |
| 115    | \$18.75        | Wimple      |

Will hold six irons on top, and eight 11½ inch tailor irons on sides; also suitable for cooking; stove is provided with a deflecting plate which throws the heat to the front of the top.



## Rex Jewel Water Heating Laundry Stove

For Coal.

| No. |                                   | Floor Space | Weight | List    | Code      |
|-----|-----------------------------------|-------------|--------|---------|-----------|
| 62W | Inside Diameter Fire Pot, 11½ in. | 18 x 18     | 120    | \$23.25 | Extent    |
| 63W | Inside Diameter Fire Pot, 13½ in. | 20 x 20     | 160    | 26.25   | Extension |



These are quick and powerful water heaters. Recommended where it is desirable to use a coal stove for heating water and for laundry purposes; and especially desirable in connection with a gas range. The fire pot is double and the water circulates around it. Connections with the pressure boiler can be made from the back.

Will hold six irons on top; also suitable for cooking; top admits of the use of an 8-inch pit bottom, or 8 or 9-inch flat bottom wash boiler; stove is provided with a deflecting plate, which throws the heat to the front of the top.

|  | No. 62W     | No. 63W      |
|--|-------------|--------------|
| Size of top.....                       | 21 x 14 in. | 22½ x 15 in. |
| Height from floor to top of stove..... | 22¾ in.     | 24½ in.      |

## Rex Jewel Water Heating Laundry Stove

This Laundry Stove differs from the stove shown above in that it has a more substantial and deeper ash pit, making it easy to remove ashes, and easily operated 3 bar revolving grate.

|  | No. 65W     | No. 66W      |
|--|-------------|--------------|
| Size of top.....                       | 21 x 14 in. | 22½ x 15 in. |
| Height from floor to top of stove..... | 25 in.      | 26¾ in.      |



Can be set on floor without legs.

| No. |                                   | Floor Space | Weight | List    | Code    |
|-----|-----------------------------------|-------------|--------|---------|---------|
| 65W | Inside Diameter Fire Pot, 11½ in. | 18 x 18     | 145    | \$25.25 | Brigade |
| 66W | Inside Diameter Fire Pot, 13½ in. | 20 x 20     | 185    | 28.50   | Brigand |

# Rex Jewel Water Heating Laundry Stove

For Coal.

No.  
62WL

Floor Space  
18 x 18

Weight  
145

List  
\$26.25

Code  
Wand



Powerful Water Heater. The fire pot is double and the water circulates around it, converting it into a powerful water heater of large capacity. Connections with the pressure boiler can be made from the back.

Holds six irons on top and eight on side. Suitable for cooking. Top admits the use of an 8-inch pit bottom, or 8 or 9-inch flat bottom wash boiler. Stove is provided with a deflecting plate, which throws the heat to the front of the top.

Size of top.....21 x 14 in.  
Height from floor to top of stove.....32 in.





Number 85

## Detroit Jewel Cast-Body Kitchen-Heater

For Burning Coke or Hard Coal.

Illustration Shows Heater Attached to No. 10 Series Gas Range

|  | Weight | List           | Code  |
|--|--------|----------------|-------|
| No. 85 Kitchen-Heater with Gas-Igniter ..... | 160    | <b>\$25.75</b> | Bungo |
| Cast Water Front, extra .....                | 30     | <b>8.25</b>    | Buy   |
| If desired without Gas-Igniter, deduct ..... | 10     | <b>3.75</b>    | Buxon |

### MEASUREMENTS

|                                       |            |
|---------------------------------------|------------|
| Height of Heater (without legs) ..... | 20½        |
| Top Surface .....                     | 24 x 12½   |
| Fire Box .....                        | 7 x 9 x 16 |

Legs allow adjustment of height of heater from 25 inches to 36 inches.  
Can be attached to any Gas Range or used alone.

## Cottage Jewel

### Diving Flue Base Burner

For Wood Only.

**T**HE Cottage Jewel Wood Heater is a handsome, well made parlor stove. It has a grate of the best shaking and register pattern, operated from outside by a shaker. Roomy ash pit with large bailed ash pan easily removed through lower end door.

#### The Diving Flue

is a feature of this stove. The down draft in front of stove spreads at bottom, heating the entire base, making the stove an effective base heater.

#### Smoke Damper

operates automatically when feed door is opened and prevents smoke rushing out. Drop smoke apron inside feed door.

#### Screw Draft Air-Tight Register

in base gives control of fire. All fitting faces are ground to fit air-tight.

#### Mica Front

gives cheerful illumination. Mica frame is easily removed.

#### Castings

are made from Kemi-test iron and all plates are built on a curve to prevent cracking.

#### Griddle Top

Below handsome openwork swinging cover is a loose top which can be used to feed wood if desired. Top has seven-inch griddle hole, convenient for heating water, cooking, etc.

#### Nickeled Parts

Foot rail. Screw draft damper. Front panel. Swinging cover. All the nickeled parts are very beautifully designed.





## Cottage Jewel

With Shaking Grate and Ash Pan.  
Diving Flue Base Heater. For Wood Only.

| No. |                     | Floor Space | Weight | List    | Code      |
|-----|---------------------|-------------|--------|---------|-----------|
| 821 | For 21-in. firewood | 21 x 26     | 215    | \$34.25 | Buttal    |
| 823 | For 23-in. firewood | 22 x 28     | 245    | 39.50   | Butter    |
| 825 | For 25-in. firewood | 23 x 30     | 290    | 44.75   | Buttercup |

For further details see preceding page.



## Acme Jewel

Cottage Stove. For Wood Only.

| No. |                     | Floor Space | Weight | List    | Code       |
|-----|---------------------|-------------|--------|---------|------------|
| 19  | For 18-in. firewood | 18 x 22     | 100    | \$15.50 | Labrador   |
| 21  | " 20-in. "          | 19 x 24     | 120    | 18.00   | Labial     |
| 23  | " 22-in. "          | 20 x 26     | 140    | 20.00   | Laboratory |
| 25  | " 24-in. "          | 21 x 28     | 150    | 22.50   | Labyrinth  |

**Details.** Its elegant rococo carving makes the Acme Jewel the handsomest cottage stove on the market. Handsome nickeled foot rail. Attractive spun metal urn. Large, tight-fitting fire door admitting very large pieces of wood. Open work swinging cover. Large, loose top plate, with griddle cover. Tight-fitting screw draft register. Heavy fire back. Perfect control of fire. All parts tightly fitted, making the stove an excellent fire keeper.

## Woodstock Jewel Heater

### An Oval Steel Body, Air-Tight Heater of the Highest Grade

124 Series—With easy shaking Grate, Ash Pan and Ash Pit.

24 Series—Without shaking Grate, Ash Pan and Ash Pit.

For Wood Only.

**T**HESE heaters are exceptionally well made. They are quick heating and durable. Three features that will appeal at once to buyers are: (1) the heavy castings—bottom door and frame and top; (2) the heavy sectional cast linings; (3) the careful mounting of the steel body by which all joints are made air-tight and all parts are assured ample protection from the heat. These points mean great durability and maximum service.

Except for the items mentioned above the 124 series and the 24 series are identically the same.

#### Body

is made of Non-Ox metal which has a highly finished surface. Requires no blacking and is easily kept clean.

#### Handsomely Modeled Cast Front

gives the stove greater rigidity and adds to its appearance. Steel body is connected with the top and bottom castings by an improved air-tight joint.

#### Heavy Cast Linings

extend half way to the top of the stove and protect the steel body from the direct action of the fire.

#### The Fire Chamber

extends full length and breadth of the stove and will accommodate large chunks of wood.

#### Large Feed Door

with swinging cast smoke curtain which keeps smoke from escaping when feeding the fire.

#### Improved Self-Acting Handle

automatically locks the feed door when pushed against the catch.

#### Swinging Top

with sliding cover for feeding fuel through the top of the stove or for heating kettles or other utensils.

#### Screw Draft Register

in ash pit door and check damper in back of stove insures perfect control of fire.

#### Back Pipe Collar

furnished when desired for fire-place connections.

#### Feed and Ash Pit Doors

carefully ground and fitted, making the stove practically air-tight.

#### Nickeled Parts

Very ornamental swing cover. Handsomely designed detachable foot rails. Steel band around top of stove. Door handle. Screw draft register and hearth on No. 24. Attractive nickel and gilt urn.

#### Draw Center Grate

is provided on 124 Series, which drops ashes into a roomy ash pit, fitted with bailed ash pan below fire chamber, a feature which will be readily appreciated by buyers. The fire bottom is made with depressions and ridges which hold a layer of ashes to protect the castings and the floor.



## Woodstock Jewel

Wood Air Tight.

With Large End Feed Door, Draw Center Grate, Ash Pit and Ash Pan.  
For Wood, Knots, Corn Cobs, Shavings, etc.

| No. | Feed Door<br>Opening | Length of<br>Wood Taken | Weight | List    | Code     |
|-----|----------------------|-------------------------|--------|---------|----------|
| 124 | 11½ x 14             | 22-in.                  | 190    | \$35.75 | Brand    |
| 126 | 11½ x 14             | 24-in.                  | 195    | 39.75   | Brandish |

Large draw cover top on each stove for feeding fuel in addition to feed door.

The Woodstock Jewel Heaters of this series are exceptionally attractive in design and being made with draw center grate and ash pit with bailed ash pan, they are especially desirable. For full description see page 157.





## Woodstock Jewel

Wood Air Tight.  
 With Large End Feed and Ash Pit Door.  
 For Wood, Knots, Corn Cobs, Shavings, etc.

| No. | Feed Door<br>Opening | Length of<br>Wood Taken | Weight | List    | Code     |
|-----|----------------------|-------------------------|--------|---------|----------|
| 24  | 11½ x 14             | 22 in.                  | 155    | \$30.50 | Eureka   |
| 26  | 11½ x 14             | 24 in.                  | 170    | 33.25   | European |

Large Draw Top Feed Cover on each Stove in addition to Feed Door.

For full description, see page 157.



## Woodland Jewel

With Large End Swing Feed Door.

For Wood, Knots, Peat, Chips, Corn Cobs, Shavings, Etc.

| No.   | Size of Body | Length of<br>Wood Taken | Weight | List    | Code      |
|---|--------------|-------------------------|--------|---------|-----------|
| 322   | 16 x 22      | 20 in.                  | 100    | \$18.25 | Ocean     |
| 325   | 18 x 25      | 23 in.                  | 120    | 20.75   | Obscure   |
| If wanted with Cast instead of Steel Linings, add |              |                         | 20     | 2.50    | Evolution |

**Details.** Non-Ox body. Heavy steel lining, easily removed. Large combination swing-off top and cover. Cover extra large. Rods protected by being placed between the linings and the outer drum. Inverted pipe collar prevents creosote from escaping to the top of the stove. Hot blast, air-tight draft register, operated by a screw, can be held in any desired position, to admit any desired amount of air. Inner guard, providing for down draft. Handsome cast top plate and cast end. Strong, durable, curved cast base. Large end feed door. Attractive spun metal urn. A very quick heater and very economical. Can be furnished with back collar for fireplace flue connections, also with cast linings, if so desired.



## Oakland Jewel

Out-Draft. For Wood.

| No.                        | Size of Body | Length of<br>Wood Taken | Weight | List    | Code      |
|----------------------------|--------------|-------------------------|--------|---------|-----------|
| 322                        | 22 x 15      | 21 in.                  | 60     | \$ 9.75 | Custard   |
| 325                        | 25 x 15      | 24 in.                  | 65     | 11.25   | Custodian |
| 422 Door                   | 22 x 15      | 21 in.                  | 65     | 12.00   | Awning    |
| 425 Door                   | 25 x 15      | 24 in.                  | 70     | 13.75   | Awry      |
| Nickeled Foot Rails, extra |              |                         | 10     | 2.25    | Cognizant |
| Cast Iron Lining, extra    |              |                         | 20     | 2.50    | Evolution |

**Details.** Heavy Non-Ox metal body and bottom, with double seam joints. Portable legs. All cast top with cast swinging cover, exposing large wood feed opening. Check damper in pipe collar. Hot blast down draft with screw register. Hot blast tube, remains in place when ashes are removed. Door for removing ashes. Back collar for fire place flue connections, if so ordered.



## Jewel Todd

A Full Revertible Flue Stove.  
For Wood Only.

| No. | Length of<br>Wood Taken | Floor Space | Weight | List    | Code    |
|-----|-------------------------|-------------|--------|---------|---------|
| 226 | 26 in.                  | 20 x 24     | 195    | \$31.75 | Curt    |
| 229 | 29 in.                  | 21 x 26     | 205    | 33.25   | Curtail |
| 232 | 32 in.                  | 22 x 28     | 220    | 34.50   | Curve   |

**Details.** Revertible sheet flues, rightly proportioned to insure perfect combustion. Extra large end door. Extra heavy cast linings, corrugated, easily removed. Swinging cover, with griddle under it. Smoke curtain, preventing escape of smoke when the feed door is thrown open. Screw draft register in feed door. All parts tightly fitted. Inner guard, which provides a down draft, greatly aiding combustion. Check damper near the pipe collar. Deep ash pit, fully exposed when the sliding hearth is drawn out. Attractive spun metal urn. Two fine nickeled crown pieces. Elegant nickeled foot rail.



## Jewel Steel Box Stove

Swing Top. For Wood.

| No. | Length of<br>Wood Taken | Body of Stove | Weight | List           | Code     |
|-----|-------------------------|---------------|--------|----------------|----------|
| 22  | 22 in.                  | 22 x 13½      | 70     | <b>\$12.00</b> | Sedate   |
| 25  | 25 in.                  | 25 x 15½      | 80     | <b>13.50</b>   | Sedately |
| 28  | 28 in.                  | 28 x 18½      | 100    | <b>14.75</b>   | Sediment |

**Details.** A strictly first-class Jewel Quality Steel Box Stove. Cast iron bottom sunk and paneled to prevent cracking. Tight fitting ash and draft door. Non-Ox metal body with cast inside protection strips at bottom. Swing cover with lids. Check damper in pipe collar. Handsomely carved smooth castings, and the very best stove in its class.



## Herald Jewel Box

Close Top. For Wood.

| No. |                       | Floor Space | Weight | List    | Code       |
|-----|-----------------------|-------------|--------|---------|------------|
| 18  | One 6-in. Boiler Hole | 18 x 18     | 60     | \$ 7.25 | Legation   |
| 22  | Two 7-in. Boiler Hole | 19 x 23     | 75     | 10.25   | Legend     |
| 25  | Two 7-in. Boiler Hole | 20 x 28     | 80     | 11.50   | Leghorn    |
| 28  | Two 8-in. Boiler Hole | 22 x 31     | 105    | 13.50   | Legible    |
| 31  | Two 8-in. Boiler Hole | 23 x 33     | 110    | 15.25   | Legion     |
| 35  | Two 9-in. Boiler Hole | 25 x 37     | 140    | 19.75   | Legislator |
| 38  | Two 9-in. Boiler Hole | 26 x 39     | 150    | 21.75   | Legitimate |

**Details.** All plates are curved to prevent cracking. End door full size of stove, admitting large wood and doing away with any necessity for a light door frame. Sides of the two largest sizes are made in two sections. Well fitted, smooth castings. The number indicates the size of wood taken.



## Sun Jewel

Wood Air Tight.

For Wood, Knots, Chips, Corn Cobs, Peat, Shavings, Etc.

| No.                                  | Size of Body | Length of<br>Wood Taken | Weight | List          | Code        |
|--------------------------------------|--------------|-------------------------|--------|---------------|-------------|
| <b>19S</b>                           | 14 x 19      | 19 in.                  | 20     | <b>\$3.00</b> | Willow      |
| <b>19</b>                            | 14 x 19      | 19 in.                  | 25     | <b>4.50</b>   | Coincidence |
| <b>21</b>                            | 15 x 21      | 21 in.                  | 30     | <b>5.50</b>   | Coiner      |
| <b>25</b>                            | 16 x 25      | 25 in.                  | 35     | <b>7.00</b>   | Colander    |
| Nickeled Foot Rails, extra, per pair |              |                         | 15     | <b>2.50</b>   | Observant   |

Sun stoves are crated in pairs. If ordered single add 15 cents net.

**Details.** Cold rolled, Non-Ox body lined. Hot blast down draft. Cast draft regulator, tightly fitted. Check draft in pipe collar. Very large, top hinged cover. Portable legs. A quick heater, low in price and better made than most stoves of this class.

No. 19S Sun is single body or unlined, without hot blast down draft. The cast draft regulator is placed near the bottom, the cover is not hinged, and it has no check draft in pipe collar.



## Sun Jewel

Wood Air Tight.

For Wood, Knots, Chips, Corn Cobs, Peat, Shavings, Etc.

| No.                                  |        | Size of Body | Length of<br>Wood Taken | Weight | List   | Code      |
|--------------------------------------|--------|--------------|-------------------------|--------|--------|-----------|
| 119                                  | Small  | 19 x 13      | 19 in.                  | 35     | \$6.50 | Custody   |
| 121                                  | Medium | 21 x 15      | 21 in.                  | 55     | 8.00   | Customary |
| 125                                  | Large  | 25 x 18      | 25 in.                  | 65     | 9.50   | Cuticle   |
| Nickeled Foot Rails, extra, per pair |        |              |                         | 15     | 2.50   | Observant |

Sun stoves are crated in pairs. If ordered singly, add 15 cents net.

**Details.** Non-Ox body, with heavy steel linings full height of the body. Hot blast draft and spark arrester. Castings smooth, tightly fitted, neatly carved. Improved draft box with screw draft. Swinging ash door, positively air tight. Check draft in pipe collar. Linings removable and easily replaced. Perfect control of fire. Large hinged top cover. Attractive top ornament. This stove will warm a room almost instantly.



## Jewel Farmers' Boilers

### A Specially Designed Furnace for Boiling or Cooking

Two Styles. For Wood or for Coal.

**T**HEY are the best made and most satisfactory boilers manufactured and are suitable for the requirements of farmers, butchers, hotels, restaurants, manufacturers of soap, varnish, etc.

For cooking feed for stock, heating water, rendering lard, making soap, sugar, boiling clothes, etc., they are especially adapted and will give the best of satisfaction.

The fire box and base of the boiler is made from cast iron and the upper section above the furnace is heavy cold rolled steel in all sizes except the No. 90, which is cast iron throughout. This plan of construction combines great durability with lighter weight and eliminates the danger of cracking parts while in use or breakage in transit.

They can be connected to a chimney flue, or be operated outside if desired, by simply adding a joint or two of pipe to give the necessary draft.

Two styles are manufactured, one for burning wood and one for burning coal. The wood series have large, roomy fire boxes with heavy cast sides and sunk bottom to keep ashes from falling out when feeding the fire. The fire box door is fitted with draft slides and a cast curtain deflects the air downward to the base of the fuel.

The coal series have fire brick lined fire boxes and bar grates, otherwise the construction is similar to the wood burning patterns.

The heat from the fuel ascends from the bottom of the caldron and spreads to the circulating chamber on all sides of it, thus the greatest value of the products of combustion are utilized before escaping into the chimney flue.

The caldrons are made from Jewel Kemi-test metal, which makes the castings smooth, durable and instantly susceptible to the influence of the heat. They are well proportioned and can be removed from the furnace if desired.

If a cast front hearth is desired, it can be furnished as illustrated for \$1.25 list, extra. However, the hearth is unnecessary, as the boilers are either placed on the ground outside or set on protected floors inside. The omission saves floor space and avoids annoying breakage which often results in shipping. To attach it, cast lugs are provided so that it may be instantly hooked into place.



Hearth Plate



## Jewel Farmers' Boilers

Furnace and Caldron Complete.

### FOR WOOD

| No.           | Capacity of Caldron | Weight | List    | Code       |
|---------------|---------------------|--------|---------|------------|
| 2—22          | 22 gallon           | 195    | \$27.50 | Wade       |
| 2—30          | 30 gallon           | 225    | 33.00   | Wadding    |
| 2—45          | 45 gallon           | 285    | 42.00   | Waddle     |
| 2—60          | 60 gallon           | 365    | 52.50   | Wry        |
| 90            | 90 gallon           | 625    | 92.50   | Mad        |
| FOR COAL      |                     |        |         |            |
| 2—22          | 22 gallon           | 245    | 34.50   | Waft       |
| 2—30          | 30 gallon           | 280    | 41.50   | Wag        |
| 2—45          | 45 gallon           | 340    | 51.50   | Wager      |
| 2—60          | 60 gallon           | 460    | 62.00   | Waggish    |
| 90            | 90 gallon           | 810    | 105.00  | Magistrate |
| Hearth, extra |                     |        | 1.50    | Brawler    |

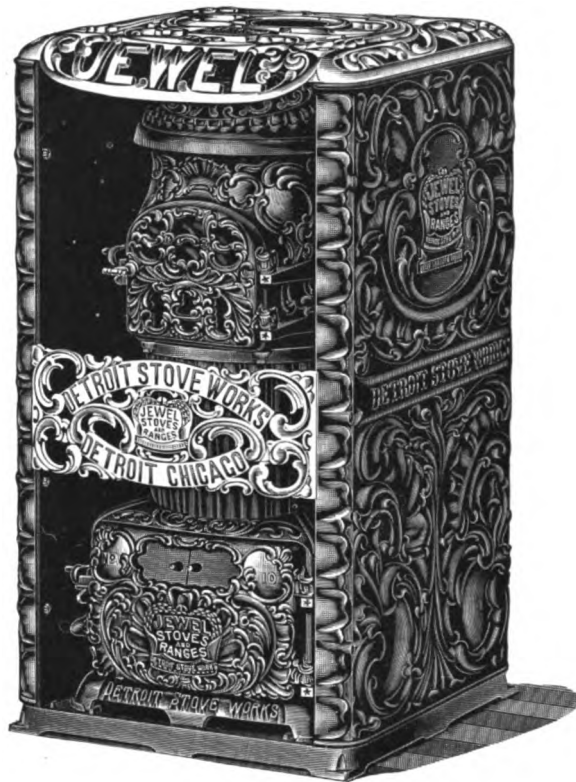


## Caldrons

For Jewel Farmers' Boilers.

| Capacity of Caldron | Weight | List    | Code        |
|---------------------|--------|---------|-------------|
| 22 gallon           | 65     | \$ 8.50 | Malabar     |
| 30 gallon           | 80     | 11.75   | Malady      |
| 45 gallon           | 100    | 16.25   | Malay       |
| 60 gallon           | 160    | 21.00   | Malediction |
| 90 gallon           | 230    | 37.50   | Malefactor  |

Made from the Kemi-Test Iron, smooth, thick and durable.



## Jewel Street Car Heater

All Cast Iron. For Coal or Coke.

| No.  | Weight | List           | Code      |
|--|--------|----------------|-----------|
| 20 Stove only                                      | 100    | <b>\$21.25</b> | Orleon    |
| 20 Stove with Asbestos and Steel Lined Cast Casing | 210    | <b>37.50</b>   | Objective |
| Pipe, Damper, Elbows, Chimney and Collar, extra    | 25     | <b>10.00</b>   | Cutler    |
| Seat Frame, if desired to place stove on seat      | 20     | <b>15.00</b>   | Odin      |

The handsomest, most durable, and most economical street car stove ever built.

Has no sheet iron parts to rust or wear out.

Will outlast the life of a car.

Costs practically nothing for repairs.

Beautifully modeled.

Top plate nicked and entire stove, case and linings aluminum finish.

Can be placed on the floor in middle or end of cars or on seat. For supporting weight and holding stove securely in seat, wrought iron frame can be furnished.

An ornament to the finest car.

A perfect operator.

Burns coal or coke.

Heats car of any size at about one-tenth the expense of electric heating.

If interested, send to us for further details and statistics on relative cost of heating street cars by coal stoves and other methods.

## Jewel Siphon Combination Range

For Gas and Coal

**A** CAST IRON combination range made for soft and hard coal, coke, wood, natural and artificial gas. It is an entirely new construction and a radical departure from any other combination range. Made entirely of cast iron, with three Siphon Tubes on the left end. There are no gas burners in the fire box or flues of the range. In using coal or gas absolutely no changes are required. This makes the Siphon Combination Range the simplest and easiest operated combination ever made.

**Economy of Operation**—With the Siphon Tubes long, strong, hot flames are obtained, which are forced across the top and around the oven flues. The hot flames and gases not only heat the top of the range, but also the oven at the same time. In fact, the oven is heated from waste gases.

In using gas the three tubes are lighted, and operated until the desired temperature in the oven is obtained, then it is only necessary to use the middle tube. By following this plan, the Siphon Combination will use no more gas than the regular gas range.

**Simplicity of Operation**—The operation of the Siphon Combination is very simple. Valves are connected by extension rods at the end of which are numbers, so that the operator can tell instantly which is the front and which the rear burner. If one burner is lighted, the rest will ignite from it.

The vertical tubes can be removed instantly, as no bolts are required to hold them in place.

**Construction of Coal Section**—The fire box in the range is oval shape with a sectional fire back lining, heavy duplex grate and deep ash pit. The top of the iron is covered with asbestos cement, which not only equalizes the heat around the oven in using coal, but retains the heat in using gas.

For further details regarding the coal section, refer to the description of the Standard Jewel Range in our Coal and Wood Catalogue.



Patent applied for

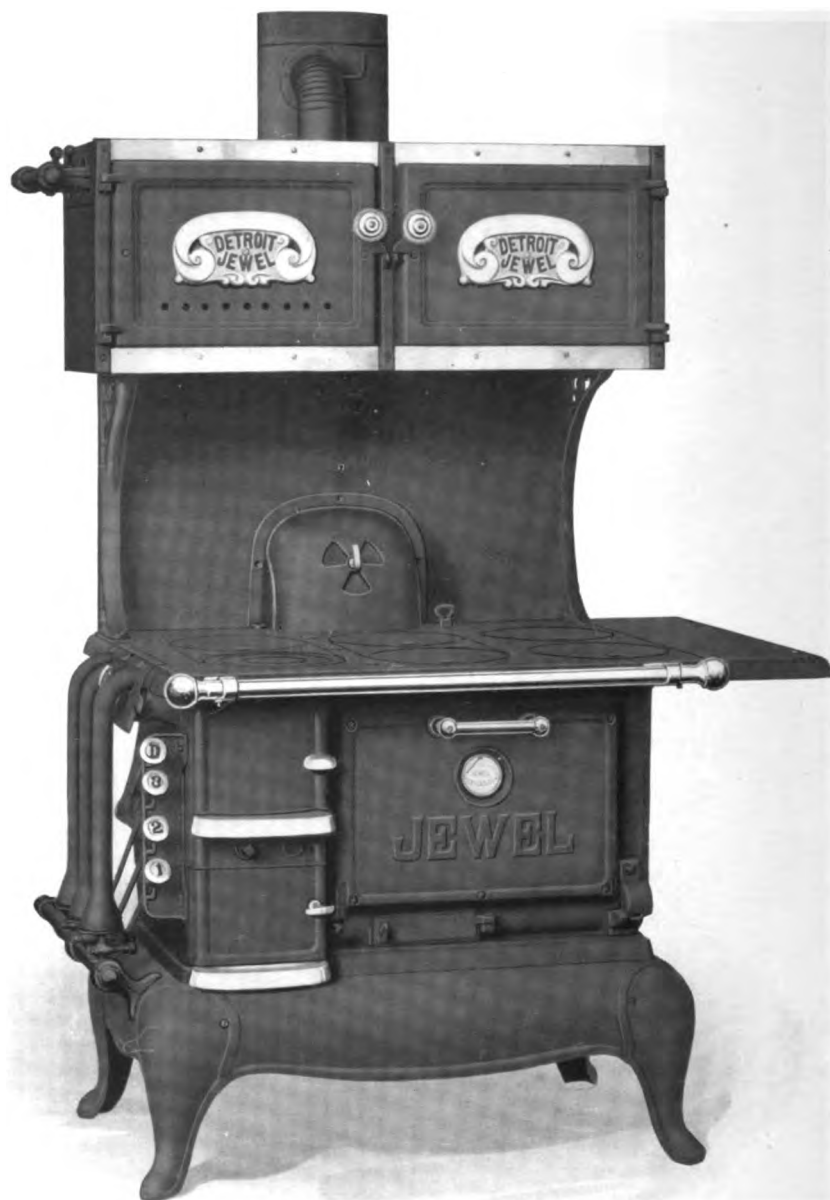
Style E

## Detroit Jewel Siphon Combination

With Siphon Tubes and Elevated Warming Closet

### MEASUREMENTS

| No.   | Holes   | Size of Oven  | Top with Shelf | Weight | List    | Code   |
|-------|---------|---------------|----------------|--------|---------|--------|
| 82-18 | 6-8 in. | 18 x 19 x 11½ | 27½ x 40½      | 430    | \$98.75 | Krone  |
| 92-18 | 6-9 in. | 18 x 19 x 11½ | 27½ x 40½      | 435    | 100.00  | Kato   |
| 82-20 | 6-8 in. | 20 x 20 x 12½ | 29½ x 42½      | 470    | 103.75  | Kabold |
| 92-20 | 6-9 in. | 20 x 20 x 12½ | 29½ x 42½      | 475    | 105.00  | Koff   |



Patent applied for

Style E B & W C

## Detroit Jewel Siphon Combination

With Siphon Tubes and Elevated Broiler and Warming Closet

### MEASUREMENTS

| No.           | Holes     | Size of Oven  | Top with Shelf | Weight | List            | Code   |
|---------------|-----------|---------------|----------------|--------|-----------------|--------|
| 82—18 EB & WC | 6 - 8 in. | 18 x 19 x 11½ | 27½ x 40½      | 505    | <b>\$124.25</b> | Paddle |
| 92—18 EB & WC | 6 - 9 in. | 18 x 19 x 11½ | 27½ x 40½      | 510    | <b>125.50</b>   | Page   |
| 82—20 EB & WC | 6 - 8 in. | 20 x 20 x 12½ | 29½ x 42½      | 545    | <b>129.25</b>   | Pail   |
| 92—20 EB & WC | 6 - 9 in. | 20 x 20 x 12½ | 29½ x 42½      | 550    | <b>130.50</b>   | Palate |

## **Jewel Hotel Steel Ranges**

**I**N the making of Jewel Hotel Ranges, durability has been the one great aim, because we realize that no class of cooking equipment is subjected to such hard usage and continuous strain. For this reason they have been specially designed and planned after diligent experimenting, for heavy work and to meet every requirement of a large hotel. The construction conforms closely with that standard which has been adopted after many years of experience in the largest and most progressive hotels, and approved by the celebrated chefs of the country. All unnecessary ornamentation has been omitted in our effort to produce just a plain, substantial, practical range easy to keep clean, and that will give perfect satisfaction.

### **Heavy Plate Steel Bodies**

Only the best grade Non-Ox metal of extra heavy gauge is used in the bodies and ovens of the Jewel Hotel Ranges, which insures great durability and long life. Coneheaded Norway iron rivets are employed throughout, which are driven cold by hand, making the bodies especially rigid and boiler-like in construction. The end flues, to prevent unnecessary external radiation of heat, are triple construction with inter-lining of asbestos millboard. The bottom edges are reinforced by heavy band iron firmly riveted to the steel plates and the ash pits and fire castings are bolted to the main body.

### **Large Ovens with No Dead Corners**

Jewel Hotel Steel Range Ovens are made wide, high and deep. The flues are so arranged that the heat is evenly distributed to every part, making it possible to bake on the oven rack or bottom with equal success. The oven racks are made of bar steel of extra heavy weight, and two sets of guides are provided so that the racks can be adjusted to any desirable height.

The drop oven doors are made with unbreakable malleable iron frames and drop braces that will sustain any weight placed upon them. The doors open flush with the oven bottom, forming a convenient shelf, and the malleable handle is of such design that it always remains cool and easy to grasp. The door catches are made with graduated lugs allowing the door to be slightly opened in the event of the oven becoming overheated.

### **Trussed French Top Plates**

Few manufacturers have been able to provide a top plate that will stand the intense heat of the fire without cracking or sagging. When made too light they will not withstand the fire and when made of sufficient weight to overcome this objection, they sag from their own weight when attaining a red heat. Continuous trips to the repair man and ceaseless annoyance has been the history of the ordinary range top. Not so with the Jewel. After exhaustive experimenting we have developed, not only the most efficient, but the longest lasting and most satisfactory top that has ever been devised. Its underside is trussed like a bridge, resulting in a top plate that is easily heated to intense heat without over-firing, of good weight and thickness to insure durability, and when heated there is no danger of its sagging or warping. When heated, iron expands, therefore the top plate sections are loose fitting so that when expanded after a few fires they fit snug and have not been forced out of place. The cover sectional key-plates, which are directly over the fire, are scientifically constructed to endure the enormous strain of the strong fire to which they are subjected. We have undoubtedly the most durable top ever placed on a hotel range.

### **Fire Boxes**

Special attention has been given the construction of the fire boxes and grates, therefore the best results are obtained from a minimum consumption of fuel.

This is an important feature which many other makes of hotel ranges lack and one of the causes why Jewel Hotel Ranges are in such great demand in leading hotels, restaurants, etc., throughout the country.



## Jewel Hotel Steel Range

Style—Single Oven, Single-Fire Range with High Shelf.  
For Hard Coal, Soft Coal or Coke.

| No.                             | Weight | List     | Code         |
|---------------------------------|--------|----------|--------------|
| 5—23 Single Range without Shelf | 1100   | \$157.50 | Conversant   |
| Single Shelf, extra             | 50     | 12.75    | Convalescent |
| Double Deck Shelf, extra        | 75     | 21.00    | Conveniently |
| 5—30 Single Range without Shelf | 1200   | 185.00   | Brickkiln    |
| Single Shelf, extra             | 60     | 14.25    | Convalescent |
| Double Deck Shelf, extra        | 85     | 23.75    | Conveniently |
| U Water Heater, extra           | 40     | 19.25    | Angular      |

5—23 Oven, 23 x 28 x 16. Top, 4 ft. x 3 ft. 3 in. Height 31 in.

5—30 Oven, 30 x 28 x 16. Top, 4 ft. 7 in. x 3 ft. 3 in. Height 31 in.

These Ranges can be furnished in batteries of as many sections as desired.





## Jewel Hotel Steel Range

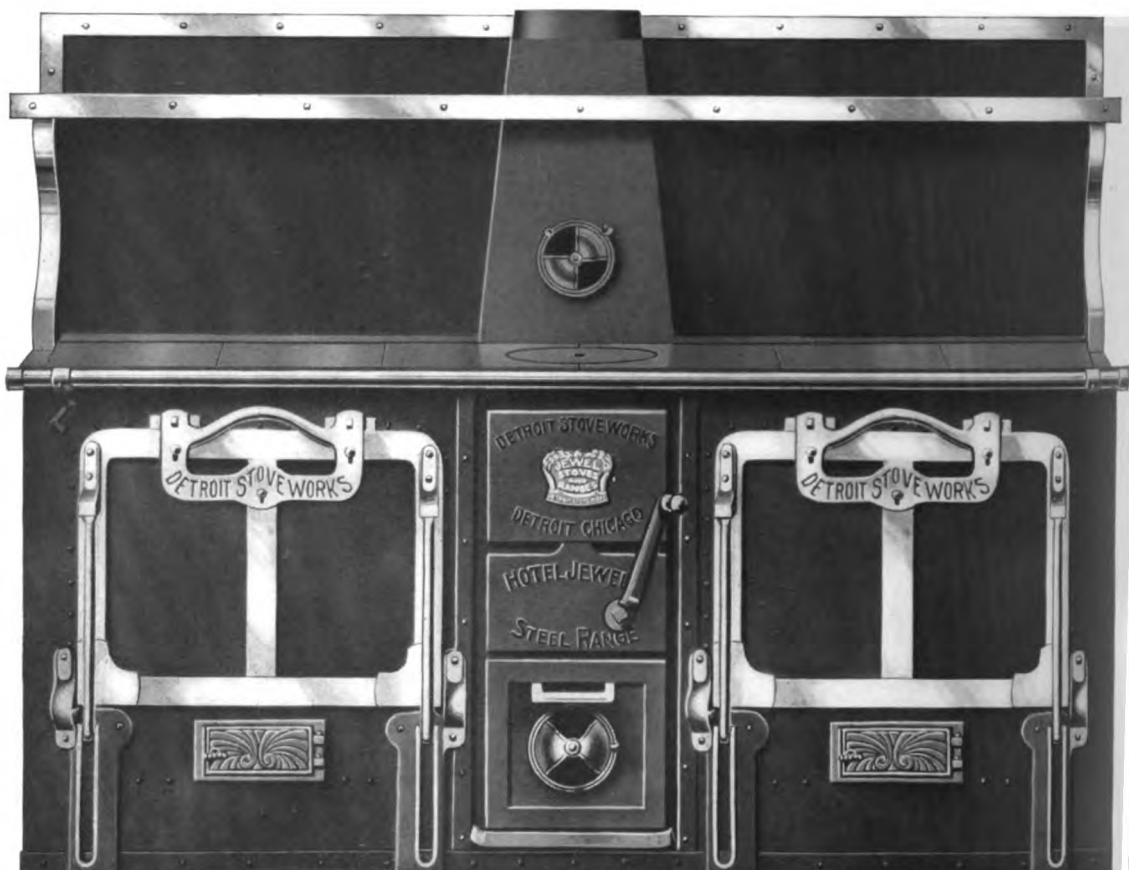
Style—Single Oven, Single-Fire Range with High Shelf.  
For Wood Only.

| No.  |                            | Weight | List            | Code         |
|------|----------------------------|--------|-----------------|--------------|
| 6—23 | Single Range without Shelf | 1100   | <b>\$157.50</b> | Converse     |
|      | Single Shelf, extra        | 50     | <b>12.75</b>    | Convalescent |
|      | Double Deck Shelf, extra   | 75     | <b>21.00</b>    | Conveniently |
| 6—30 | Single Range without Shelf | 1200   | <b>185.00</b>   | Bricklayer   |
|      | Single Shelf, extra        | 60     | <b>14.25</b>    | Convalescent |
|      | Double Deck Shelf, extra   | 85     | <b>23.75</b>    | Conveniently |
|      | Coil for Water Heating     | 30     | <b>18.00</b>    | Brickmaker   |

6—23 Oven 23 x 28 x 16. Top 4 ft. x 3 ft. 3 in.

6—30 Oven 30 x 28 x 16. Top 4 ft. 7 in. x 3 ft. 3 in.

These ranges can be furnished in batteries of as many sections as desired.



## Jewel Hotel Steel Range

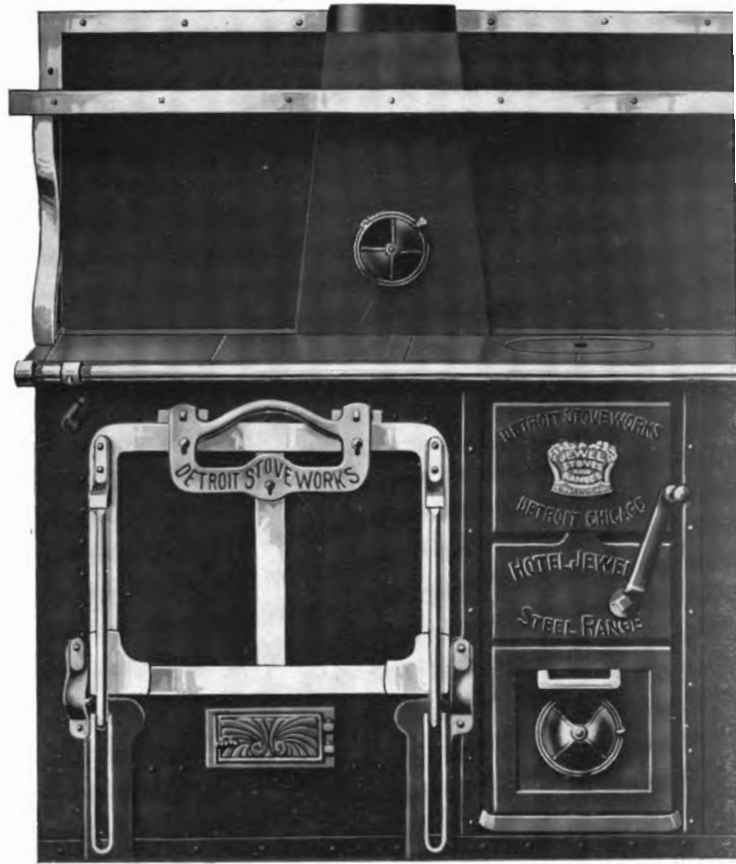
Style—Two Ovens, Single-Fire Range with High Shelf.  
For Hard Coal, Soft Coal or Coke.

| No.                                  | Weight | List            | Code       |
|--------------------------------------|--------|-----------------|------------|
| <b>5-18 x 18</b> Range without Shelf | 1300   | <b>\$185.00</b> | Conversion |
| Single Shelf, extra                  | 75     | <b>16.75</b>    | Convivial  |
| Double Deck Shelf, extra             | 100    | <b>32.50</b>    | Converter  |
| U Water Heater, extra                | 40     | <b>19.25</b>    | Angular    |

Ovens, each 18 x 23 x 16. Top, 5 ft. x 3 ft. 3 in. Height 31 in.

This range can be furnished in batteries of as many sections as desired or can be combined with the 23 or 30-inch oven coal ranges or with the Jewel Gas Range shown on page 181.



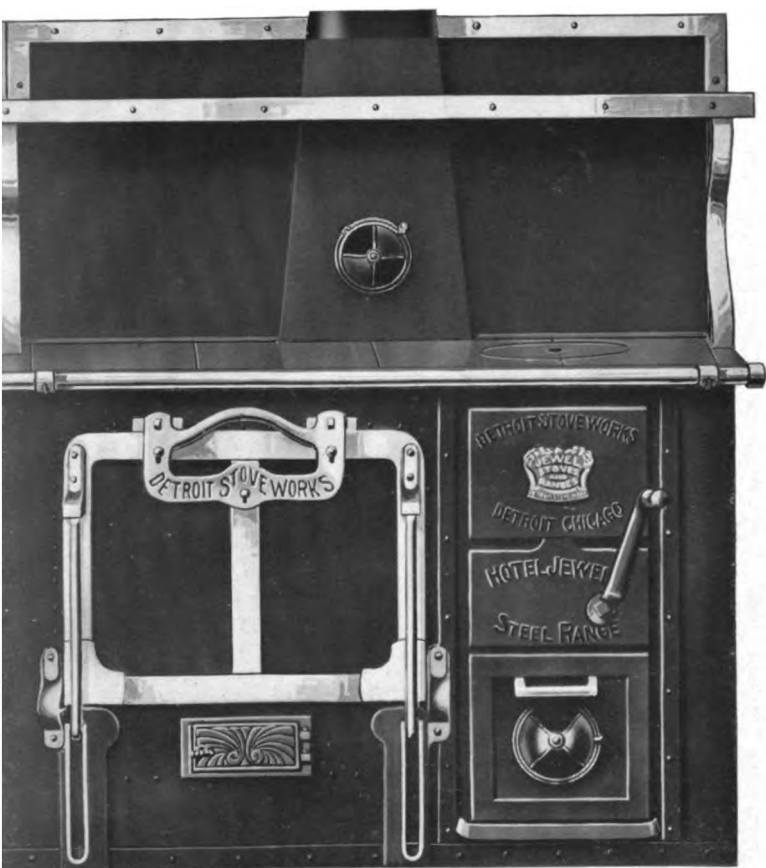


## Jewel Hotel

Style—Two Oven, Two  
For Hard C

- No.  
**5—23** Double Section Range without Shelf  
 Single Shelf, extra  
 Double Shelf, extra  
**5—30** Double  
 Single Shelf, extra  
 Double Shelf, extra  
**5—23 and 5—30** One 23 in. Oven and One 30 in. Oven  
 Single Shelf, extra  
 Double Shelf, extra  
 U Water Heater, each, extra

For Dimensions of 5—23 a



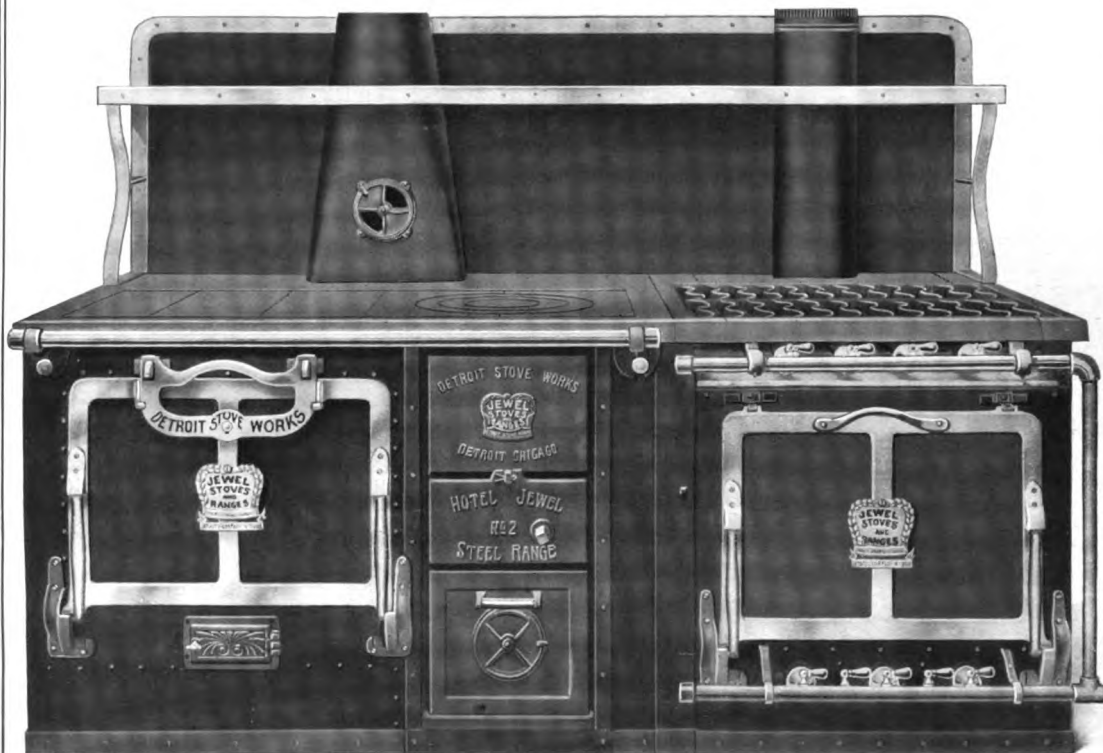
## Steel Range

Fire Range with High Shelf.  
Coal, Soft Coal or Coke.

| Weight | List            | Code         |
|--------|-----------------|--------------|
| 2200   | <b>\$315.00</b> | Conversation |
| 100    | <b>25.50</b>    | Conveyed     |
| 150    | <b>42.00</b>    | Convey       |
| 2400   | <b>370.00</b>   | Bridegroom   |
| 120    | <b>28.50</b>    | Conveyed     |
| 170    | <b>47.50</b>    | Convey       |
| 2300   | <b>342.50</b>   | Bridemaid    |
| 110    | <b>27.00</b>    | Conveyed     |
| 160    | <b>44.75</b>    | Convey       |
| 40     | <b>19.25</b>    | Angular      |

and 5—30 Ranges, see page 174.





## Detroit Jewel Combination Hotel Range

We are prepared to furnish ranges in batteries consisting of any number of sections of our 18-23 or 30-inch oven coal ranges combined with any number of sections of our No. 24-33L or 24-33S Detroit Jewel Hotel Gas Ranges listed on this page.

To get the price of a battery add together the prices of the individual sections required to make the complete range.

NOTE—The following prices are for the gas ranges only.

For prices and dimensions of coal ranges per section, see page 174.

### Detroit Jewel Hotel Gas Ranges

For Natural or Manufactured Gas

| No.    |                                 | Weight | List     | Code         |
|--------|---------------------------------|--------|----------|--------------|
| 24-34L | Single Section less Shelf       | 425    | \$139.00 | Fickle       |
| 24-34S | Single Section less Shelf       | 400    | 123.75   | Emphasis     |
|        | Single Shelf per Section, extra | 50     | 11.50    | Convalescen' |

#### Measurements, Nos. 24-34S and 24-34L Gas Ranges

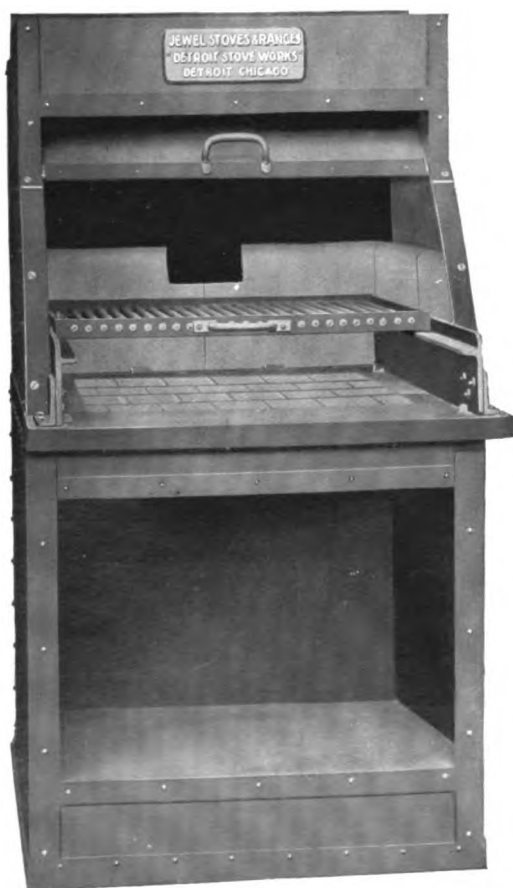
|                           |                  |
|---------------------------|------------------|
| Top surface, per section, | 30 in. x 39 in.  |
| Ovens                     | 24 x 26 x 14 in. |
| Height                    | 31 in.           |

## Jewel Hotel Steel Broilers

For Charcoal.

| No. | Broiler Grate | Weight | List            | Code    |
|-----|---------------|--------|-----------------|---------|
| 30  | 26 in.        | 524    | <b>\$116.25</b> | Clearly |
| 36  | 32 in.        | 575    | <b>130.00</b>   | Cleave  |

These are the finest broilers ever placed on the market. They are made from Non-Ox metal, extra heavy, with all rivets driven cold by hand; have heavy broiler grates moving with little effort as they are mounted on rollers. The hearth is lined with brick tile and the curtain front is balanced so that it may be easily raised or lowered. The base or stand provides a roomy fuel receptacle.



No. 30



No. 24

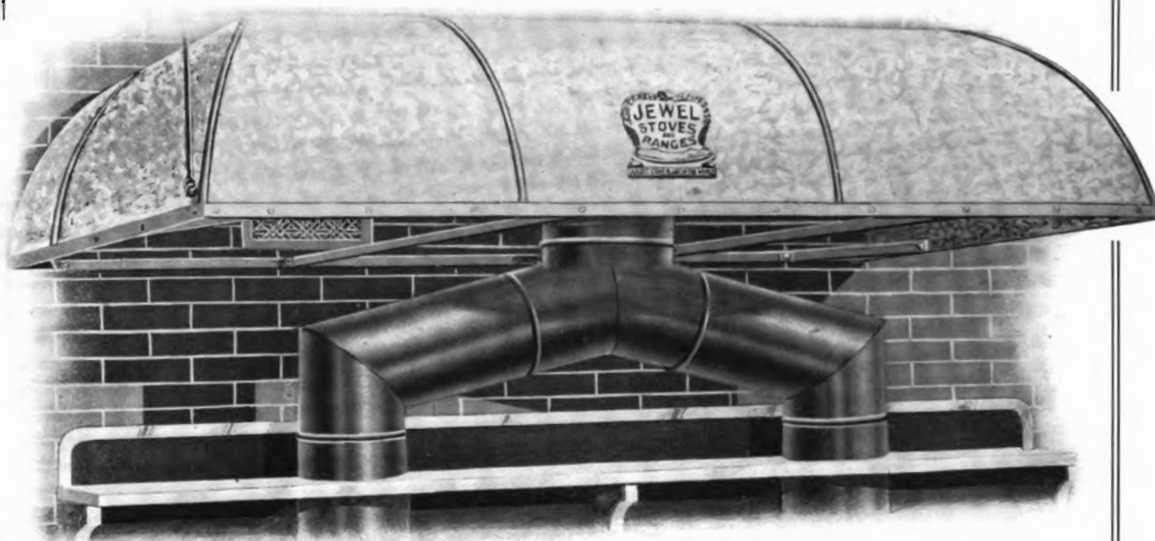
## No. 24 Jewel Steel Broiler

For Charcoal.

| No.       | Weight     | List           | Code     |
|-----------|------------|----------------|----------|
| <b>24</b> | <b>275</b> | <b>\$57.50</b> | Alliance |

Made from Non-Ox metal, hand riveted. The curtain is so balanced that it may be easily raised or lowered. The 24-inch grid-iron is made of heavy wrought iron, and double tracks are provided so that it may be placed the proper distance from the fire. The base provides a large receptacle for the storage of fuel.





## Jewel Canopy or Hood

Jewel canopies are as symmetrical and substantial as can be made. They are free from ridges, fret work or mouldings, which serve only as dirt catchers. The sheets forming the canopy are joined by means of tee irons, making a rigid and tight fitting joint. The bottom edge of the canopy is reinforced with heavy polished angle iron, which prevents them from warping or getting out of shape.

| No. | Length  | Width  | List<br>Galvanized | Code      | Blue<br>Planished | Code         |
|-----|---------|--------|--------------------|-----------|-------------------|--------------|
| 5   | 5 feet  | 4 feet | \$ 56.25           | Bridle    | \$ 61.25          | Brier        |
| 6   | 6 feet  | 4 feet | 56.25              | Eye       | 61.25             | Exemplify    |
| 8   | 8 feet  | 4 feet | 72.75              | Eye-glass | 79.75             | Exemplifying |
| 10  | 10 feet | 4 feet | 89.25              | Eyelet    | 98.25             | Exemplary    |
| 12  | 12 feet | 4 feet | 105.75             | Brief     | 116.75            | Briefly      |

Prices on other sizes quoted upon request.



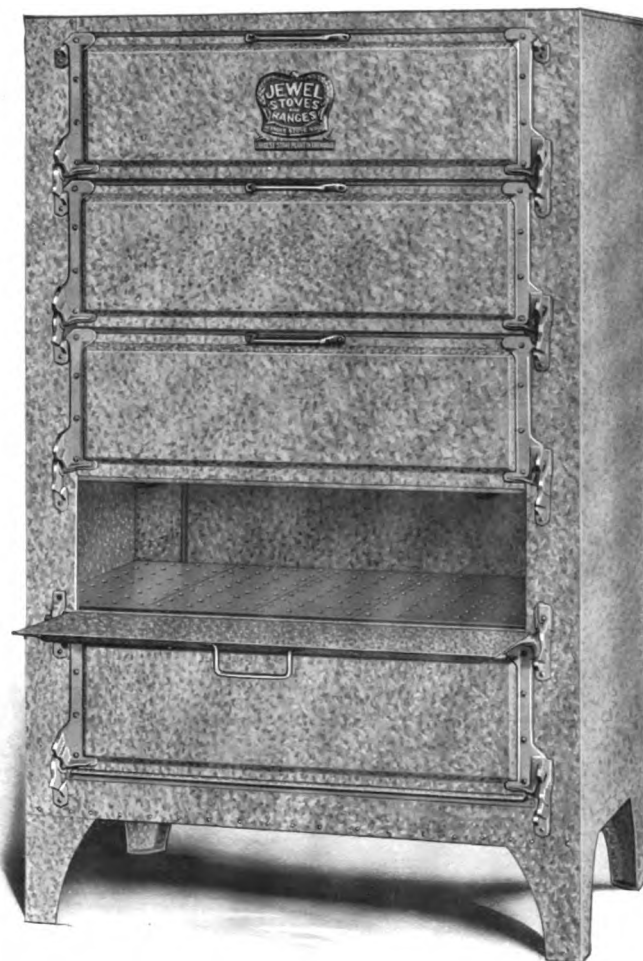
No. 5

## Detroit Jewel Dish Warmer

| No. | Height | Width  | Depth  | No. Shelves | Height Doors | Weight | List            | Code |
|-----|--------|--------|--------|-------------|--------------|--------|-----------------|------|
| 5   | 65 in. | 60 in. | 24 in. | 5           | 10 in.       | 600    | <b>\$187.50</b> | Lynx |

Doors when open form convenient shelves on which to place dishes when removing from or placing in warmers.

Made for gas or steam heating—specify in order which.



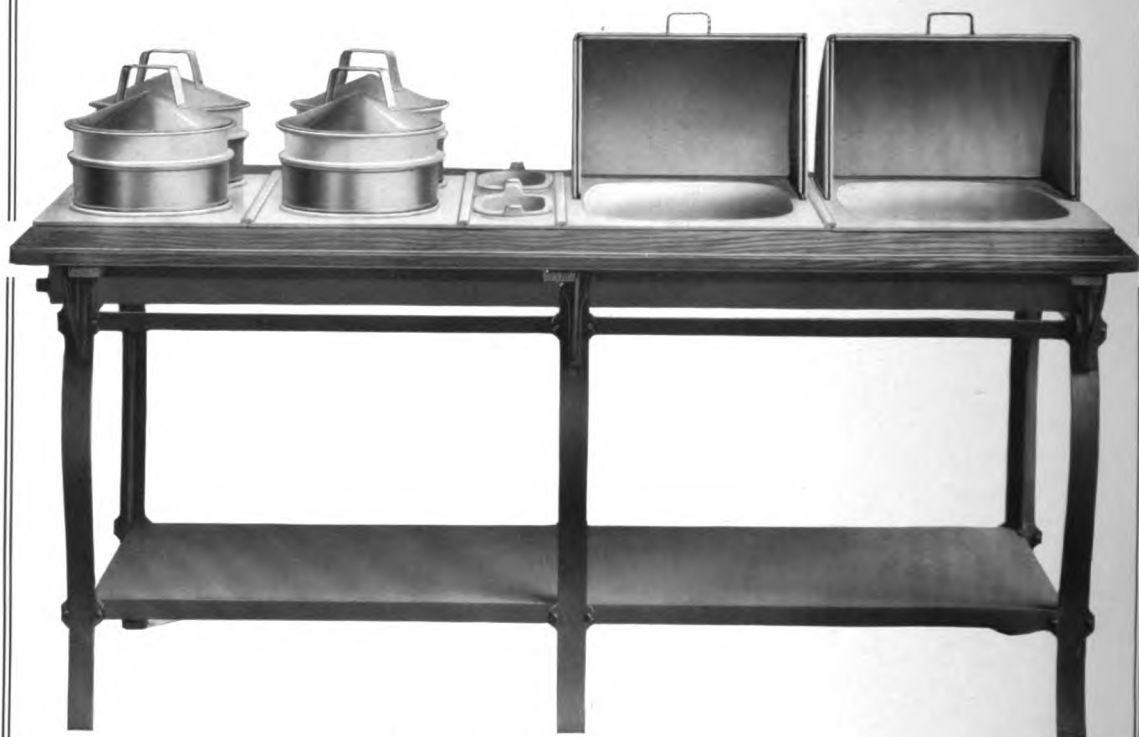
No. 4

## Detroit Jewel Dish Warmer

| No. | Height | Width  | Depth  | No. Shelves | Height Doors | Weight | List     | Code  |
|-----|--------|--------|--------|-------------|--------------|--------|----------|-------|
| 3   | 55 in. | 34 in. | 24 in. | 4           | 10 in.       | 325    | \$100.00 | Lymph |
| 4   | 65 in. | 50 in. | 24 in. | 5           | 10 in.       | 425    | 125.00   | Lynch |

Doors when open form convenient shelves on which to place dishes when removing from or placing in warmers.

Made for gas or steam heating—specify in order which.



No. 24, with Telescope Covers

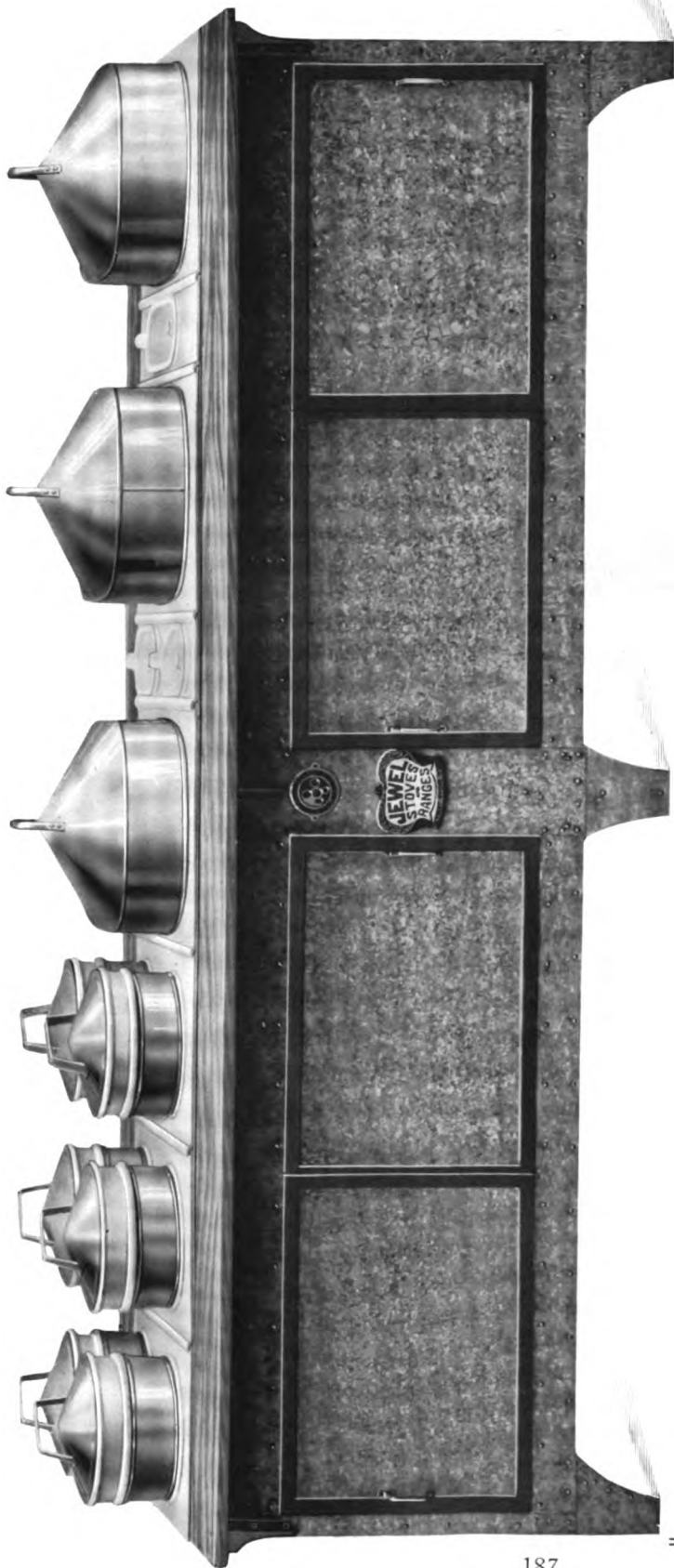
## Detroit Jewel White Enameled Cast Iron Top Steam Tables

| No. | Feet | Length<br>Inches | Meat<br>Platters | Veg.<br>Jars | Sauce<br>Small | Sauce<br>Large | List     | Code      |
|-----|------|------------------|------------------|--------------|----------------|----------------|----------|-----------|
| 12  | 3    | 1                | 1                | 2            |                | 1              | \$126.25 | Extricate |
| 22  | 4    | 6                | 2                | 2            | 2              |                | 157.50   | Exude     |
| 24  | 5    | 7                | 2                | 4            | 2              |                | 178.50   | Extempore |
| 34  | 7    | 6                | 3                | 4            | 2              | 1              | 225.00   | Extacy    |
| 36  | 8    | 9                | 3                | 6            | 2              | 1              | 246.00   | Extatic   |

Tables 24 in. wide. Carving boards 9 in. wide, each.

Lists include fittings for steam or gas heating. For both steam and gas fittings, add \$12.50 to \$20.00 list extra, according to length of table. Specify in order whether Telescope or Imperial Covers are wanted. Imperial covers shipped unless telescope is ordered.

Tables as listed are equipped with Vitrified Stone Vegetable Jars. For White Enameled Cast Iron Jars add \$4.50 list for each jar.



No. 36-C

## Detroit Jewel White Enameled Cast Iron Top Steam Tables

| No. | Feet | Length<br>Inches | Meat<br>Platters | Vegetable<br>Jars | Sauce<br>Small | Sauce<br>Large | List     | Code       |
|-----|------|------------------|------------------|-------------------|----------------|----------------|----------|------------|
| 12C | 3    | 1                | 1                | 2                 |                | 1              | \$168.75 | Extinct    |
| 22C | 4    | 6                | 2                | 2                 | 2              |                | 210.00   | Extinguish |
| 24C | 5    | 7                | 2                | 4                 | 2              |                | 242.50   | Extort     |
| 34C | 7    | 6                | 3                | 4                 | 2              | 1              | 297.50   | Extortion  |
| 36C | 8    | 9                | 3                | 6                 | 2              | 1              | 337.50   | Extorter   |

Tables 24 in, wide. Carving boards 9 in. wide, each.

Lists include fittings for steam or gas heating. For both steam or gas fittings add \$18.00 to \$26.00.

List extra, according to length of table.

## **Jewel Warm Air Furnaces**

**N**O department of our business has grown faster in the past few years than that devoted to the manufacture of Jewel Warm Air Furnaces. The reason is because the demand for warm air heating is increasing to a great extent in all parts of the country and the sales of Jewel Furnaces are growing by leaps and bounds.

The leading characteristics of Jewel Furnaces, from their inception to the present time, have been distinctive and up-to-date patterns, superior quality of material and high grade construction. Today they are better than ever, with a larger variety of styles to select from and new and important features of interest to the trade.

Part of the great success of Jewel Furnaces is owing to the fact that our designers are capable and experienced and give their entire time and attention to this department of our business. The result is increasing yearly sales in all sections of the country.

The furnace department of our extensive business is entirely separate from the manufacture of stoves, with a full equipment for making the highest grade and latest improved patterns.

A noteworthy feature applying to our entire line is the quality of the iron used in the castings. The same mixture used in making Jewel Stove castings, acknowledged to be the toughest, longest lasting, smoothest, quickest radiating stove plate made, is also used in Jewel Furnaces. Owing to the weight of the castings in furnaces some manufacturers give little or no attention to the quality of the iron. Often the most inferior grade of pig iron and scrap is used, resulting in rough, porous and brittle castings which fire-crack, and are deficient in heat transmitting quality.

On the following pages are shown a variety of styles to suit all conditions and needs. Careful comparison of the Jewel with other makes will show more good points in the Jewel than any other line of furnaces on the market.

Special information relative to any of our furnaces not given in the catalogue will be promptly furnished by our Furnace Department.

The service of our engineering department is at the command of those desiring special information regarding adjustments, estimates, etc.

Our special catalogue of Jewel Furnaces mailed on receipt of request.



## An Interesting Comparison

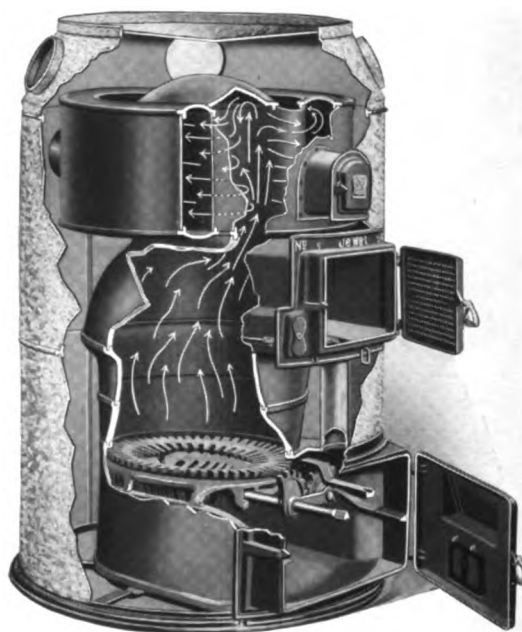
The cut appearing on this page accurately shows the great difference in the general construction of the Jewel and other furnaces having return flue radiator.

Notice the great difference in shape and size of domes, fire pots and ash pits shown in above cut.

The absence of the correct relative proportion that must necessarily exist as between combustion domes, fire pots and grate area, if good results are expected, is quite conspicuous in most furnaces.

Abnormally large domes are not desirable for the reason that the surface of such domes is not so poised or sufficiently near the live fire to effectively receive and radiate the direct rays of heat. The small or cramped domes are deficient in that they do not provide sufficient area for the expansion of gases of combustion or present a large area of radiating surface to the direct rays of heat. Jewel combustion domes are in correct proportion to the other parts of the furnace; hence perfect results are obtainable.

Notice the small ash pit, the slanting firepot, the small radiator and cramped combustion dome of the other make of furnace. If you could set these furnaces side by side, is there any question as to which you would choose? Where quality, size and efficiency are considered, the Jewel will be selected.



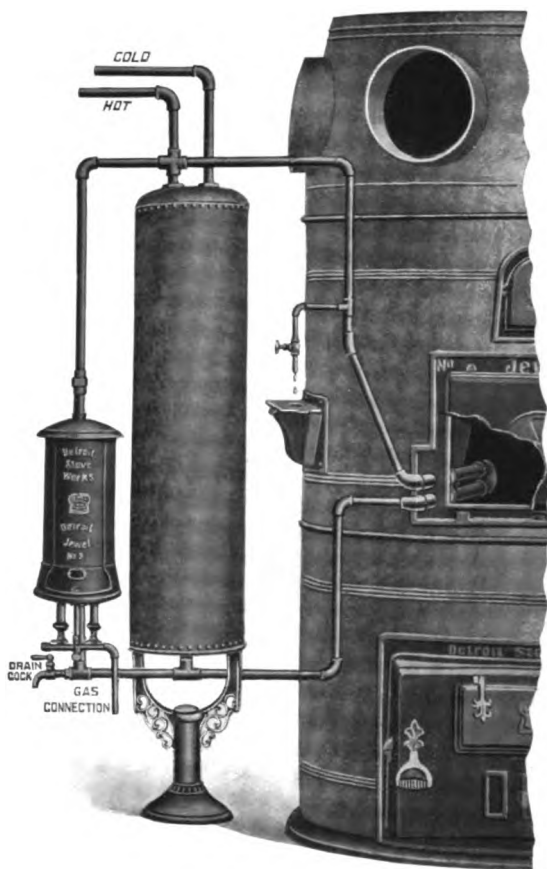
## Details of Jewel Furnace Construction

The above correctly illustrates the details of Jewel Furnace construction. Notice the large roomy ash pit with its extra large door. Notice the grate, how strong and simple the construction; made without the use of a bolt or rivet. How easily it can be removed through the ash pit door should occasion arise to do so. With ordinary care it will last a lifetime.

Notice the deep straight fire pot with its flanged top and the Jewel overhanging combustion dome. Notice the large firing door (fourteen inches wide), and a pocket at the side to accommodate a water coil when it is desired to use one. Notice the dust damper just inside the firing door. Open it when shaking the grate and the draft will prevent fine ashes from escaping from the ash pit into the basement. Notice the large inner dome of the radiator; how it is poised directly over the fire, exposing a large area of self cleaning radiating surface to the direct action of the fire. Notice the large free opening of the flues of the radiator. Notice the absence of down drafts, abnormal indirect surface and other impractical features which affect combustion and detract from rather than adding to the heating effect.

No details that will add to economy, convenience and comfort are omitted in the Jewel Furnace construction.





## Jewel Vapor Pan and Water Heater Connected

Notice how water can be  
supplied, a drop at a time

An especially important feature in Jewel construction, which is generally overlooked by the makers of other furnaces and is entirely ignored by boiler-makers, is provision for constantly maintaining the desirable humid condition of the air. We illustrate in the cut on this page, together with other features, the Jewel vapor pan.

Any ordinary valve can be used to regulate the supply of water. Should the water be supplied to the pan faster than it vaporizes and the pan become filled it will overflow on the outside of the casing.

Where city water is not available for use a galvanized iron tank that will answer the purpose can be made by any sheet metal worker.

The tank must have a regulating valve in the bottom and be not less than three or four gallon capacity and made so that it can be fastened to the furnace casing above the vapor pan.

The provision for the introduction of coils for heating the domestic supply of water during the season when the furnace is in use is a Jewel specialty worthy of note.

These coils may be placed any time after the furnace has been erected and without drilling castings or cutting the casing. The pocket to accommodate the coil will be seen at the lower left-hand corner of the firing door frame by referring to the cut on page 190.

When gas is available for use, a Detroit Jewel gas water heater can be connected as illustrated above, for heating water during the season when the furnace is not in use.

## Jewel Ball Bearing, Double Acting Grate

**T**HE double acting, ball bearing Jewel Grate is the strongest, simplest and most efficient grate in the world. It can be operated with the greatest ease, requires no poking and does not waste fuel.

The clinker cutting duplex bars are especially substantial and adjusted so they are easily operated. Turning one quarter revolution removes the ashes and clinkers from center of bed of fuel.

With this grate you can shake the ashes from the outside of the bed of fuel without disturbing its center, hence, the livest fire is next to the fire pot, just where you want it. This is something that cannot be done with other grates. Every other make of grate breaks up the center of the fire and leaves the dead ashes on the outside. Good results are impossible with any furnace with dead ashes banked against the fire pot.

Having no bolts or rivets in it and being easily removed through the ash pit door, repairing, should it become necessary, is easily done.

Jewel Duplex Ball Bearing Grate

The annular shaking ring rests on ball bearings. This departure from the old style method which necessitated much effort and strain due to the friction caused by the weight of the fuel in the fire pot, will be readily appreciated and is a distinctive feature that has met with universal favor by Jewel Furnace users. A slight movement of the shaking ring right and left frees all ashes from the sides of the fire pot, allowing the transmission of its maximum heat.

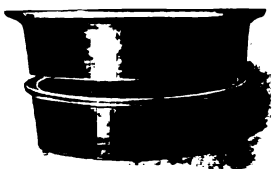
The openings in the grate are of such size as to admit sufficient air to make perfect combustion, and so arranged that fine coal can be used without wasting into the ash-pit when the grate is operated, which is impossible with any other grate made.

## The Jewel Sectional Fire Pots

No part of a furnace is more important than the fire pot. In fact, exactness in form and size is necessary to good, economical results. The Jewel fire pots are correctly proportioned in relation to the rest of the furnace. They are from two to four inches deeper than ordinary fire pots and are perpendicular in form so the ashes cannot cling to them. They are heavy enough to withstand the intense heat to which they are sometimes subjected, yet not so heavy as to prevent free radiation. They are provided with expansion joints to relieve the strain of expansion which causes other fire pots to crack.

Jewel Furnace Fire Pots are made almost perpendicular, in two heavy cast sections divided in the center and set in deep cup joints which allow for expansion without danger of cracking, thus making them practically indestructible. These castings are made from the best grade of pig iron, without scrap, insuring long life and service, as they are free from defects, and are not, as many others, porous, brittle or rough.

Their extra deep and roomy construction makes it possible to place in them sufficient fuel to keep a low, slow fire that may be maintained with little attention and which produces the best results with the least coal consumption. Small and cramped fire pots do not allow for the exposure of proper heat transmitting surface to the direct action of the fire, and of necessity require forcing and overfiring and, therefore, cannot give the same satisfactory results as those of large and generous proportions—the Jewel kind.



Jewel Two-Piece Fire Pot.



## Jewel Warm Air Furnaces

Nos. 120, 122, 125, 128 and 131

For Burning Hard Coal or Coke.

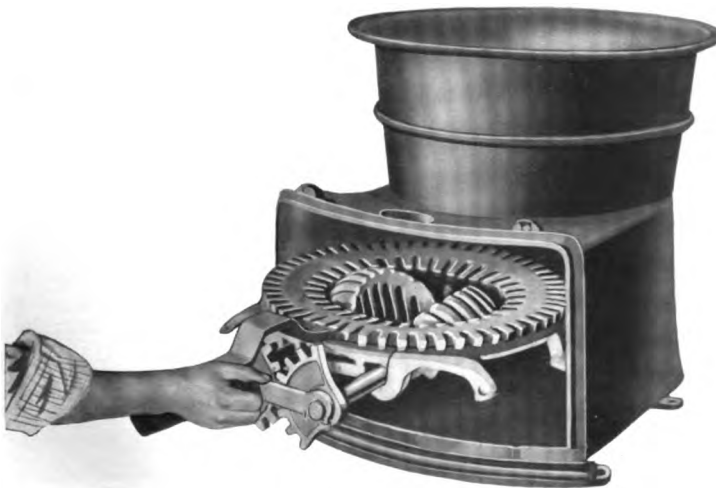
**Every feature essential to heating power, economy and convenience of operation and long life is embodied in this series of Jewel Furnaces**

**W**E invite attention to the large roomy ash-pit. This is cast in one section and being free from joints no ashes or dust particles can escape from it into the air chamber when shaking the grate. The ash-pit and firing doors, as will be noticed, are extra large and convenient.

The grates, fire pots and combustion domes have been described and their importance explained in preceding pages with sectional cuts.

The Steel Radiators of this series furnace are especially large and efficient. The smoke and gases are deflected from the dome of the combustion chamber into the return flues and must sweep circuitously around the radiator on their way to the smoke pipe, thus utilizing thoroughly the products of combustion. Nothing better, simpler or more effective has ever been devised. They are mounted with extra care and provided with a convenient clean-out door so the interior may be easily cleaned of accumulations of soot and ashes. The flues are in correct proportion to the grate. With this radiator there is no choking of the draft, to prevent good combustion.

Special attention is called to the sections which are set with deep flange joints, carefully packed with asbestos cement. They are the only joints ever designed and used that remain permanently gas and dust tight.



Jewel Duplex Grate Drawn Out Through Ash-Pit Door.



## Steel Plate Radiator Jewel Furnace

Series 100

For Hard Coal, Coke or Lignite

### Dimensions

| No. | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code    | List of Furn.<br>With<br>Casing | Code    |
|-----|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|---------|---------------------------------|---------|
| 120 | 20 in.                      | 15 in.            | 35 in.          | 57 in.                      | 10 x 13           | \$105.00                           | Sail    | \$126.00                        | Hasten  |
| 122 | 22 in.                      | 15 in.            | 40 in.          | 57 in.                      | 10 x 13           | 118.00                             | Sailor  | 141.50                          | Hatch   |
| 125 | 25 in.                      | 16 in.            | 44 in.          | 60 in.                      | 11 x 14½          | 136.50                             | Salad   | 163.00                          | Haunt   |
| 128 | 28 in.                      | 16 in.            | 48 in.          | 60 in.                      | 11 x 14½          | 165.50                             | Sallow  | 194.50                          | Halbert |
| 131 | 31 in.                      | 17 in.            | 54 in.          | 61 in.                      | 11 x 14½          | 210.00                             | Axiform | 241.50                          | Azote   |

Water Coil for heating 40-gallon tank. List \$6.25. Code, Scatter.

For heating capacities see page 209.

## Jewel Warm Air Furnace

### With Cast Radiator

Nos. 20, 22, 25, 28 and 31

**T**HIS furnace is designed to meet the demand for a durable furnace, with a powerful heating capacity. It is specially built for use with soft coal, and its construction throughout is amply strong to resist the fiercest soft coal fire.

The Cast Radiators are of extra large size, of the return flue type, which gives them an exceptionally large radiating surface. The sections are set with deep flange joints, carefully packed with asbestos cement. A clean-out door is provided at the front, so the interior of radiator may be easily cleaned. This is important because unless the radiator is kept clean, it will not yield the maximum heat for the amount of fuel used.

One-piece cast radiators are unavoidably extra heavy, the metal is never uniform in thickness and always has a rough inner surface, hence we do not use them with Jewel Furnaces.

The Jewel radiators are comparatively light in weight, but are made of tough, elastic, free heat-transmitting material. They are absolutely uniform in thickness in every part and the inner or flue surface is as smooth as the outer surface, hence does not coat over with soot or ashes to prevent free radiation.



Jewel Duplex Grate and Ash Pit.



## All Cast Iron Jewel Furnace

Series 20

For Soft Coal, Hard Coal, Coke or Lignite.

### Dimensions

| No. | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code       | List of Furn.<br>With<br>Casing | Code    |
|-----|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|------------|---------------------------------|---------|
| 20  | 20 in.                      | 15 in.            | 36 in.          | 56 in.                      | 10 x 13           | \$113.00                           | Harm       | \$134.00                        | Sand    |
| 22  | 22 in.                      | 15 in.            | 40 in.          | 56 in.                      | 10 x 13           | 128.50                             | Harrow     | 152.00                          | Sandal  |
| 25  | 25 in.                      | 16 in.            | 44 in.          | 58 in.                      | 11 x 14½          | 152.50                             | Harsh      | 179.00                          | Sanity  |
| 28  | 28 in.                      | 16 in.            | 48 in.          | 58 in.                      | 11 x 14½          | 186.50                             | Harter     | 215.50                          | Sardine |
| 31  | 31 in.                      | 17 in.            | 54 in.          | 59 in.                      | 11 x 14½          | 239.00                             | Breadstuff | 270.50                          | Broach  |

Water Coil for heating 40-gallon tank. List \$6.25. Code, Scatter.

For heating capacities see page 209.

## **Jewel Warm Air Furnace**

### **With Air Blast**

**Nos. 20, 22, 25, 28, 31**

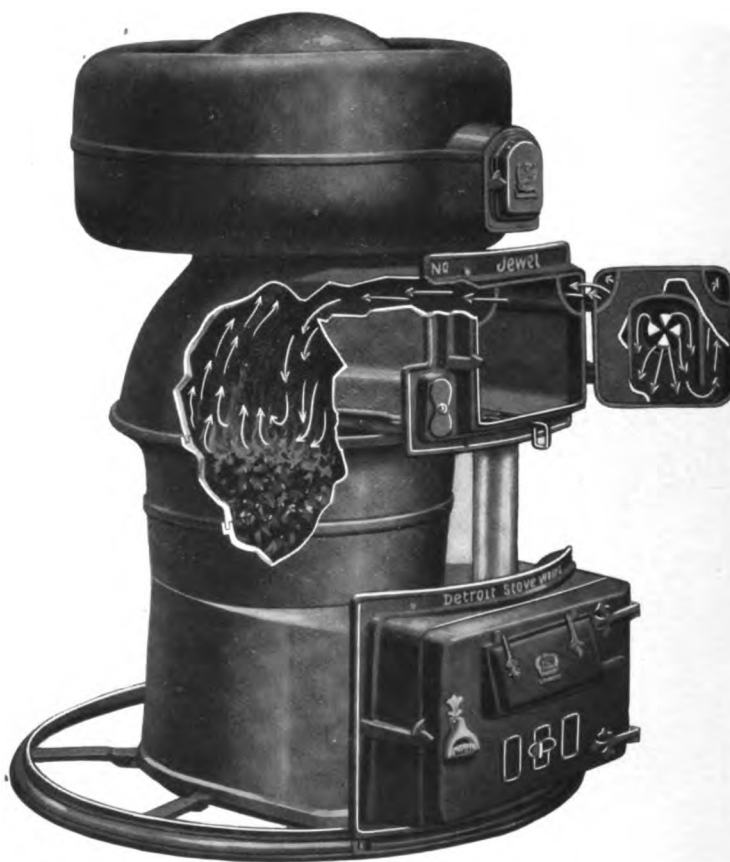
**F**OR burning any kind of soft coal, the Hot Blast attachment for this furnace is the simplest and most effective known to modern furnace builders. By means of it all classes of soft coal may be burned with convenience and cleanliness. It feeds superheated air to the point of combustion above the surface of the fire, and provides the necessary oxygen for burning the free carbon and gases liberated from this kind of fuel, preventing their escaping in the form of smoke.

Not only does this Hot Blast attachment lessen the disagreeable features attendant to the use of fuel of this class, but it effects a saving by causing combustion of those heat-producing elements which usually escape through the chimney flue. It has no tubes or pipes to burn out, and is designed so that the air is thoroughly heated before it reaches the fire, a condition necessary for satisfactory results.

In all other particulars this Air Blast Jewel is the same in construction as the furnaces illustrated on page 196.



**Jewel Two-Piece Fire Pot.**



## All Cast Iron Jewel Furnace

### With Air Blast

#### Dimensions

| No. | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code     | List of Furn.<br>With<br>Casing | Code       |
|-----|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|----------|---------------------------------|------------|
| 20  | 20 in.                      | 15 in.            | 36 in.          | 56 in.                      | 10 x 13           | \$121.00                           | Browning | \$142.00                        | Broaden    |
| 22  | 22 in.                      | 15 in.            | 40 in.          | 56 in.                      | 10 x 13           | 136.50                             | Bucking  | 160.00                          | Broadside  |
| 25  | 25 in.                      | 16 in.            | 44 in.          | 58 in.                      | 11 x 14½          | 160.50                             | Buckled  | 187.00                          | Brocade    |
| 28  | 28 in.                      | 16 in.            | 48 in.          | 58 in.                      | 11 x 14½          | 194.50                             | Buckram  | 223.50                          | Brocket    |
| 31  | 31 in.                      | 17 in.            | 54 in.          | 59 in.                      | 11 x 14½          | 247.00                             | Breaking | 278.50                          | Breastwork |

For heating capacities see page 209.



## Crescent Radiator Jewel Furnaces

Nos. 220, 222, 225 and 228

For Hard Coal, Coke or Wood

**I**N this style of furnace we offer a construction to meet the demand of those who burn coal, but at times find it convenient to burn wood, especially in the early fall and late spring.

The Steel Radiator is crescent in form, and the products of combustion and hot gases are drawn to the front of the furnace, where they enter the radiator and must come in contact with its large area before escaping into the chimney flue, thus obtaining all possible value from the consumed fuel.



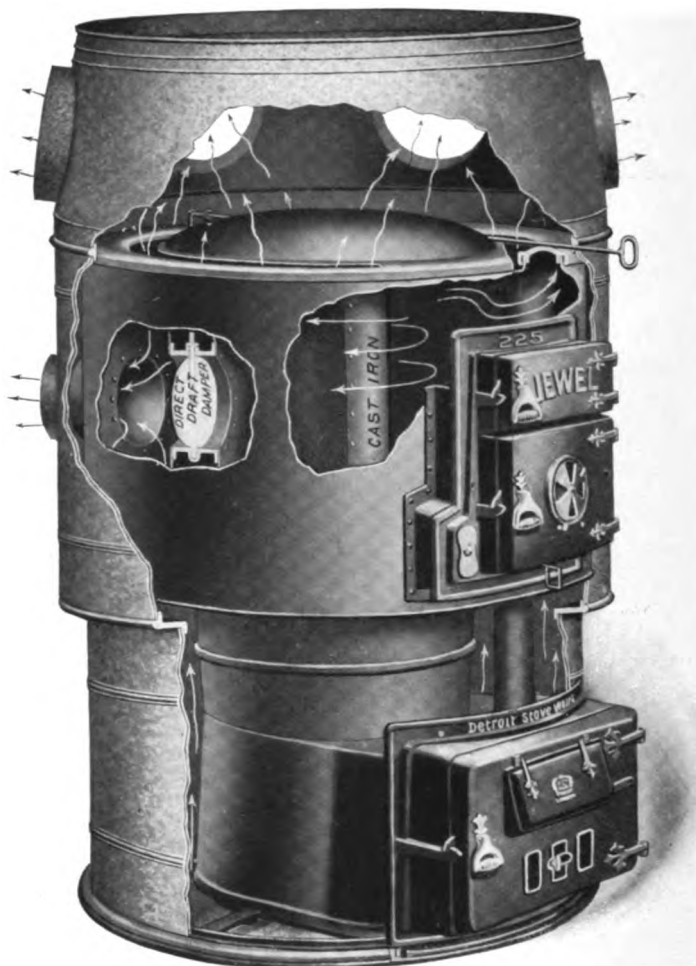
Jewel Cored Packing Joint Employed to Join Steel Walls and Cast Head of Crescent Radiator.

The steel walls of the radiator where joined to the combustion chamber and where exposed to the direct action of the heat, are protected by cast plates to insure durability; and where the cast head joins the steel walls a specially designed cored packing joint such as illustrated herewith is employed. This joint insures absolutely against the escape of gas or dust or the joints opening up, which are undesirable features in many furnaces of this type.

The combustion chamber is extra large, so that the gases liberated from the burning fuel can mix with the oxygen of the air, and be properly consumed. It is made with heavy steel walls, and the extended top of the fire pot allows the parts exposed to intense heat to be placed a sufficient distance from the fire so that they will not warp or buckle.

A direct draft damper operated from the front of the furnace is placed at the rear of the combustion chamber, which insures a quick fire, prevents soot and smoke escaping while feeding the fire, and permits the control of the fire to suit all conditions.

Double feed doors are provided so that irregular chunks of wood can be used and ready access may be gained to the interior of the furnace. The fire pots are provided with expansion joints to prevent danger from cracking, in heating or cooling. The grate is the famous Jewel Duplex, ball-bearing design illustrated and described elsewhere.



## Crescent Radiator Jewel Furnace

For Wood, Coal or Coke.

Series 200

### Dimensions

| No. | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code      | List of Furn.<br>With<br>Casing | Code   |
|-----|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|-----------|---------------------------------|--------|
| 220 | 20 in.                      | 15 in.            | 43 in.          | 53 in.                      | 15 x 13           | \$121.00                           | Signal    | \$142.00                        | Kaffir |
| 222 | 22 in.                      | 15 in.            | 46 in.          | 53 in.                      | 15 x 13           | 136.50                             | Signalize | 160.00                          | Kail   |
| 225 | 25 in.                      | 16 in.            | 49 in.          | 56 in.                      | 15 x 13           | 160.00                             | Signet    | 186.50                          | Kara   |
| 228 | 28 in.                      | 16 in.            | 52 in.          | 56 in.                      | 15 x 13           | 197.00                             | Signify   | 226.00                          | Karmic |

Wood Grate for 220 and 222, List Extra \$3.00. Code, Breath.  
 Wood Grate for 225 and 228, List Extra \$4.00. Code, Breathing.  
 Water Coil for heating 40-gallon tank. List \$6.25 Code, Scatter.

## Moderate Priced Jewel Furnaces

### 300 Series—Fitted With Cast Radiators

### 400 Series—Fitted With Steel Radiators

THESE furnaces were designed to meet the demand of those who desire a good furnace at a low price. Durability has not been sacrificed to accomplish this end and many of the exclusive features which are incorporated in the more expensive series of Jewel Furnaces have been retained, the essential point of difference being that they are somewhat smaller in size and lighter in weight, and have triangular bar grates instead of duplex design. A cast front extends over the entire front of the furnace and its plain design makes it easy to keep clean, there being no deep carvings or extended ornamentation to hold dust or ashes.

All cast parts are of good weight and thickness, and the same high grade metal used in Jewel Stoves is employed, which insures tough, smooth, long lasting castings.

The fire pots are cast in two sections to prevent cracking and are properly proportioned to hold fire and produce efficient results with the least fuel consumption.

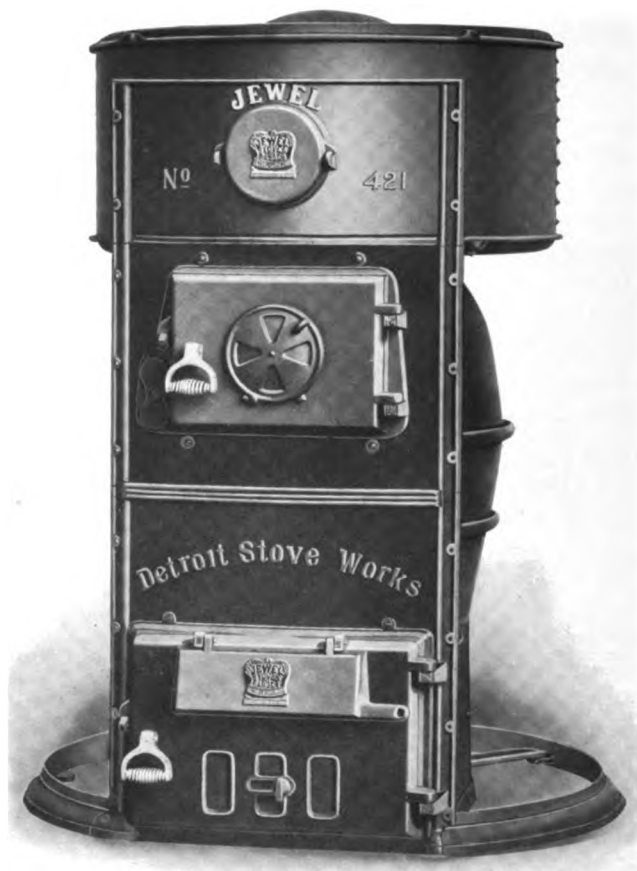
The combustion chamber is of good size, allowing ample space for the oxygen of the air to mix with the gases liberated from the fuel, thereby causing perfect combustion before entering the radiators and passing to the chimney flue.



Jewel Triangular Bar Grate.

The grate consists of a series of triangular bars, which when turned cuts the ashes and clinkers from the fire, without dropping unburned fuel into the ash pit. No bolts or nuts are employed and the bars can be removed by lifting the cast yoke from place and removing the iron cogwheels which hold them in place. (See illustration.) So simple is the construction that a bar can be taken out or replaced while the fire is burning.

The feed door is fitted with a perforated lining and air register, and provision is made in the frame for installing water coil without cutting casings or drilling the castings.



## Steel Plate Radiator Jewel Furnace

Series 400

For Burning Hard Coal or Coke.

### Dimensions

| No.        | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code     | List of Furn.<br>With<br>Casing | Code  |
|------------|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|----------|---------------------------------|-------|
| <b>418</b> | 18 in.                      | 12 in.            | 33½ in.         | 48 in.                      | 8 x 12            | <b>\$ 77.00</b>                    | Seize    | <b>\$ 94.00</b>                 | Pause |
| <b>421</b> | 21 in.                      | 13 in.            | 36 in.          | 50 in.                      | 9 x 12½           | <b>91.00</b>                       | Seizable | <b>110.00</b>                   | Pearl |
| <b>424</b> | 24 in.                      | 13 in.            | 40 in.          | 52 in.                      | 9 x 12½           | <b>110.25</b>                      | Seizure  | <b>131.25</b>                   | Pelt  |

Water Coil for heating 40-gallon tank, extra. List **\$6.25**. Code, Scatter.

For heating capacities see page 209.



## All Cast Iron Jewel Furnace

Series 300

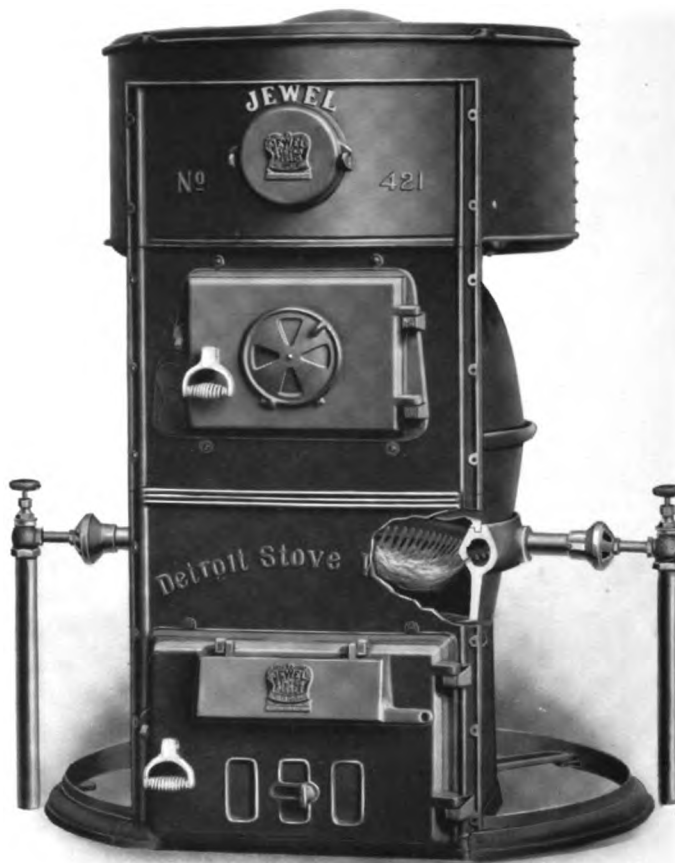
For Hard or Soft Coal or Coke

### Dimensions

| No. | Inside<br>Diam.<br>Fire Pot | Depth<br>Fire Pot | Diam.<br>Casing | Height<br>Without<br>Casing | Size<br>Fire Door | List of Furn.<br>Without<br>Casing | Code     | List of Furn.<br>With<br>Casing | Code  |
|-----|-----------------------------|-------------------|-----------------|-----------------------------|-------------------|------------------------------------|----------|---------------------------------|-------|
| 321 | 21 in.                      | 13 in.            | 36 in.          | 50 in.                      | 9 x 12½           | \$102.50                           | Scorch   | \$121.50                        | Pawn  |
| 324 | 24 in.                      | 13 in.            | 40 in.          | 52 in.                      | 9 x 12½           | 118.00                             | Scorcher | 139.00                          | Peach |

Water Coil for heating 40-gallon tank, extra. List \$6.25. Code, Scatter.

For heating capacities see page 209. For description see page 201.



## Jewel Furnaces with Gas Burners

To meet the demand in certain sections where natural gas is available, we equip all furnaces of the 300 and 400 Series and all others having 25-inch and 28-inch fire pots with Gas Burners as shown in the accompanying illustration. By the use of these Burners, either gas or coal or both can be burned without changes.

These Gas burners are one-piece cored castings designed so as to take the place of the lower section of the fire pot. No extra fire pot joints are made necessary by their use.

The gas apertures in the burners are beneath the canopy or projection shown in the illustration, which prevents them from becoming clogged by ashes or fine coal.

| No. | Without<br>Casing | Code       | With<br>Casing | Code     |
|-----|-------------------|------------|----------------|----------|
| 25  | \$165.50          | Breathless | \$192.00       | Brethren |
| 28  | 202.50            | Bred       | 231.50         | Brevet   |
| 125 | 150.00            | Breech     | 176.50         | Brevier  |
| 128 | 181.00            | Breeches   | 210.00         | Brevity  |
| 321 | 111.50            | Breeching  | 130.50         | Brew     |
| 324 | 128.50            | Breed      | 149.50         | Brewage  |
| 418 | 85.00             | Breeder    | 102.00         | Brewer   |
| 421 | 100.00            | Breeding   | 119.00         | Brewery  |
| 424 | 121.00            | Breeze     | 142.00         | Bribe    |

## Combination Warm Air and Hot Water Heating

**T**HE difficulty frequently encountered when planning to heat rooms so situated as to make them inaccessible to warm air pipes or on account of the distance from the furnace may be successfully overcome by the use of the combination warm air and hot water system.

The use of water heating sections does not increase the heating capacity of the furnace, as a good many seem to think, but serves the purpose only of overcoming difficulties as referred to in the preceding paragraph.

To meet just such conditions, we have designed the Jewel Water Heating Sections, illustrated and listed on page 206.

Combinations of two or more sections may be used, enabling one to meet almost any requirement. In fact, the number of sections that can be used is limited only by the limitation of the space in the furnace in which they are to be installed.

These sections are made not for use in Jewel Furnaces only, but for any apparatus in the market. The smaller sections may be installed in stoves having large combustion chambers.

For the information of those who may not understand the variations in the capacity ratings of these sections, we offer the following explanation:

The actual heating power of the section or sections depends largely on the position occupied as related to the fire. When placed in close contact with the fire, the sections are exposed to its direct influence and the maximum heating power results.

But the capacity decreases in proportion to the distance that the sections may be removed from the fire or whether or not they are so poised as to be influenced by the direct heat from the fire.

As an illustration, take a case where two No. 19 sections are to be used. One of them, we will say, is to be placed directly over and closely in contact with the fire, in which case it will carry the maximum number of feet of radiation for which it is rated.

The other section, being farther removed from the fire and shielded from its direct influence, will not, under ordinary conditions, carry greater than its minimum rated capacity.



The Above Shows a Combination of One Each  
13, 16 and 19 Sections, the Extreme  
Height Being 20 Inches.

## Jewel Water Heating Sections

For Combination Warm Air and Hot Water Heating.



No. 19



No. 16

These sections are made not for use in Jewel Furnaces only, but for any apparatus in the market. The smaller sections may be installed in stoves having large combustion chambers.

They are tapped for 2½ inch pipe but by the use of bushing any size pipe can be used. For explanation of the variation in the rated heating capacities of these sections see page 205.



No. 13

| No. | Diameter | No. Ft. Radiation | List    | Code     |
|-----|----------|-------------------|---------|----------|
| 13  | 13 in.   | 75 to 90          | \$16.00 | Buckshot |
| 16  | 16 in.   | 100 to 120        | 22.00   | Buckskin |
| 19  | 19 in.   | 120 to 140        | 27.00   | Bucktail |

Add extra for fitting sections in furnaces, \$15.00 list.





## **Jewel Combination Warm Air and Hot Water Heater**

The accompanying cut is shown for the purpose of illustrating in a general way how the water heating sections are suspended in furnaces.

The excellent characteristics of the warm air furnace should not be interfered with by overloading it with water heating sections.

The services of our engineering department are at the disposal of those desiring special advice regarding combination heating.



## Jewel Room Heaters With Planished Iron Casing

### Dimensions of Jewel Room Heater

| No.        | Inside Diam.<br>Fire Pot | Depth of<br>Fire Pot | Diameter<br>Casing | Height with-<br>out Casing | Size of<br>Feed Door | List             | Code             |
|------------|--------------------------|----------------------|--------------------|----------------------------|----------------------|------------------|------------------|
| <b>418</b> | 18                       | 12                   | 33½                | 48                         | 8 x 12               | <b>\$ 94. 25</b> | <b>Emeritus</b>  |
| <b>421</b> | 21                       | 13                   | 36                 | 50                         | 9 x 12½              | <b>109. 50</b>   | <b>Emetic</b>    |
| <b>424</b> | 24                       | 13                   | 40                 | 52                         | 9 x 12½              | <b>131. 25</b>   | <b>Emollient</b> |

Above prices include Planished Iron Casing.

Water Coil for heating 40-gallon tank. List extra, **\$6.25**. Code, Scatter.

# Heating Capacities of Jewel Furnaces

| Maximum Heating Capacities in Cubic Feet of Space |                               |                 |            |            |                  |                  |                  |                  |           |  |  |
|---|-------------------------------|-----------------|------------|------------|------------------|------------------|------------------|------------------|-----------|--|--|
| CLASS OF BUILDING                                 | SOURCE OF THE COLD AIR SUPPLY | FURNACE NUMBERS |            |            |                  |                  |                  |                  |           |  |  |
|   |                               | 418             | 321<br>421 | 324<br>424 | 20<br>120<br>220 | 22<br>122<br>222 | 25<br>125<br>225 | 28<br>128<br>228 | 31<br>131 |  |  |
| Residences  | Outside Only.....             | 8,000           | 12,000     | 15,000     | 13,000           | 16,000           | 22,000           | 30,000           | 40,000    |  |  |
|   | Outside and Inside....        | 9,000           | 13,000     | 16,000     | 14,000           | 17,000           | 23,000           | 32,000           | 42,000    |  |  |
|   | Inside Only.....              | 10,000          | 15,000     | 18,000     | 16,000           | 19,000           | 25,000           | 35,000           | 45,000    |  |  |
| Churches,<br>Halls, Stores,<br>Etc.               | Outside Only.....             | 12,000          | 18,000     | 22,000     | 20,000           | 24,000           | 32,000           | 45,000           | 60,000    |  |  |
|   | Outside and Inside....        | 14,000          | 20,000     | 24,000     | 22,000           | 27,000           | 36,000           | 50,000           | 65,000    |  |  |
|   | Inside Only.....              | 16,000          | 24,000     | 27,000     | 25,000           | 30,000           | 44,000           | 60,000           | 75,000    |  |  |
| Residences  | Outside Only.....             | 7,000           | 11,000     | 14,000     | 12,000           | 15,000           | 20,000           | 28,000           | 38,000    |  |  |
|   | Outside and Inside....        | 8,000           | 12,000     | 15,000     | 13,000           | 16,000           | 21,000           | 30,000           | 40,000    |  |  |
|   | Inside Only.....              | 9,000           | 14,000     | 17,000     | 15,000           | 18,000           | 23,000           | 33,000           | 43,000    |  |  |
| Churches,<br>Halls, Stores,<br>Etc.               | Outside Only.....             | 10,000          | 16,000     | 21,000     | 18,000           | 22,000           | 30,000           | 40,000           | 55,000    |  |  |
|   | Outside and Inside....        | 12,000          | 18,000     | 23,000     | 21,000           | 25,000           | 35,000           | 45,000           | 60,000    |  |  |
|   | Inside Only.....              | 14,000          | 21,000     | 26,000     | 24,000           | 28,000           | 42,000           | 55,000           | 70,000    |  |  |
| Residences  | Outside Only.....             | 6,000           | 10,000     | 13,000     | 11,000           | 14,000           | 18,000           | 25,000           | 35,000    |  |  |
|   | Outside and Inside....        | 7,000           | 11,000     | 14,000     | 12,000           | 15,000           | 19,000           | 27,000           | 37,000    |  |  |
|   | Inside Only.....              | 8,000           | 13,000     | 17,000     | 14,000           | 18,000           | 21,000           | 30,000           | 40,000    |  |  |
| Churches,<br>Halls, Stores,<br>Etc.               | Outside Only.....             | 9,000           | 14,000     | 20,000     | 17,000           | 21,000           | 27,000           | 35,000           | 50,000    |  |  |
|   | Outside and Inside....        | 11,000          | 16,000     | 22,000     | 20,000           | 23,000           | 33,000           | 40,000           | 55,000    |  |  |
|   | Inside Only.....              | 13,000          | 19,000     | 24,000     | 22,000           | 27,000           | 38,000           | 50,000           | 65,000    |  |  |

The heating capacities of Jewel Furnaces as given in the above table are based on the weather condition to be provided for and the source of the cold air supply, whether taken from outside or inside, or from both outside and inside, and are correct.

## Key to Jewel Stove and Range Numbers

A LITTLE careful study of the plan we have adopted for numbering Jewel Stoves, Ranges, and Furnaces will enable the dealer to readily distinguish the description of any given range from its number.

The following tables explain in detail our plan of numbering Jewel Coal and Wood Stoves and Ranges:

### Cooks and Ranges

|                        |  |
|------------------------|--|
| FIRST NUMBER.....      | Size of Lid                            |
| SECOND NUMBER.....     | Pattern                                |
| LAST TWO NUMBERS.....  | Size of Oven                           |
| STYLE A—Square         | STYLE K—With Reservoir and High Shelf  |
| STYLE B—With Reservoir | STYLE E—Square, with High Closet       |
|                        | STYLE F—With Reservoir and High Closet |

Example: "No. 83-18 F Supreme Jewel" is a Supreme Steel Range, with 8-inch lids, Pattern four, with 18-inch oven, reservoir and High Closet.

### Heaters

|                       |                  |
|-----------------------|------------------|
| FIRST NUMBER.....     | Pattern          |
| LAST TWO NUMBERS..... | Size of Fire Pot |

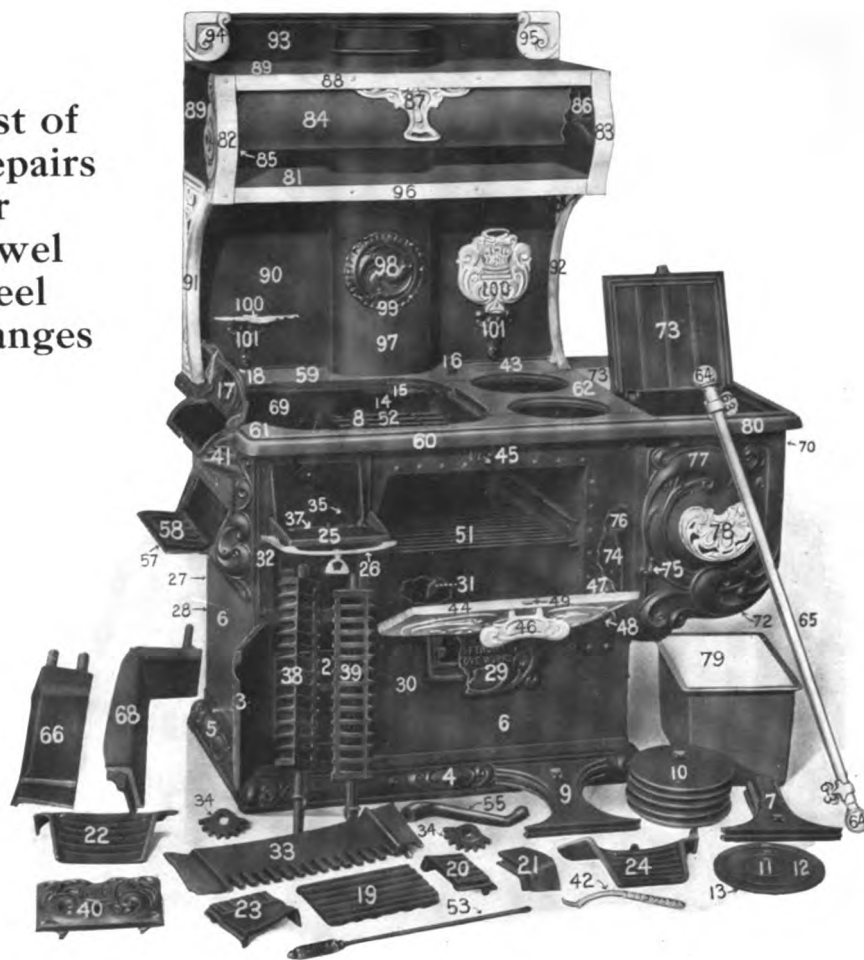
Example: "No. 215 Emerald Jewel" is an Emerald Base Burner, Pattern two, with 15-inch Fire Pot, inside measurement.

### Wood Heaters

|                       |                |
|-----------------------|----------------|
| FIRST NUMBER.....     | Pattern        |
| LAST TWO NUMBERS..... | Length of Wood |

Example: "No. 821 Cottage Jewel" is a Cottage, Pattern eight, taking 21-inch wood.

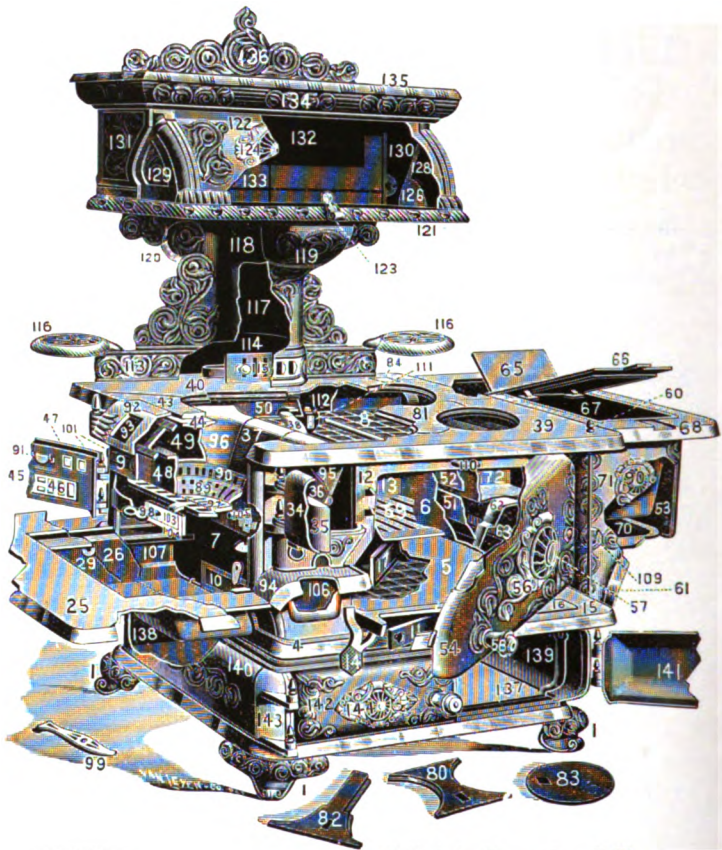
# List of Repairs for Jewel Steel Ranges



- |  |   |  |
|--|---|--|
| 1 Ash Chutes, R. & L. (Steel).           | 39 Grate, Short Duplex.                 | 77 Reservoir Front Check.                |
| 2 Ash Pan.                               | 40 Grate Removal Door.                  | 78 Reservoir Panel.                      |
| 3 Ash Pit Door.                          | 41 Left End.                            | 79 Reservoir Tank.                       |
| 4 Base, Front and Back Strip.            | 42 Lifter.                              | 80 Reservoir Top.                        |
| 5 Base, Right and Left End Strip.        | 43 Name and Number Plate.               | 81 High Closet Bottom and High Shelf.    |
| 6 Body. (Steel).                         | 44 Oven Door.                           | (Steel).                                 |
| 7 Center, Cut Long.                      | 45 Oven Door Catch.                     | 82 High Closet Corner, Left.             |
| 8 Center Post.                           | 46 Oven Door Handle.                    | 83 High Closet Corner, Right.            |
| 9 Center, Short.                         | 47 Oven Door Hinge.                     | 84 High Closet Door. (Steel).            |
| 10 Covers.                               | 48 Oven Door Hinge Spring.              | 85 High Closet Door Hinge, Left.         |
| 11 Cover, Reducing Center.               | 49 Oven Door Latch.                     | 86 High Closet Door Hinge, Right.        |
| 12 Cover, Reducing Inside Ring.          | 50 Oven Door Lining. (Steel).           | 87 High Closet Door Panel and Handle.    |
| 13 Cover, Reducing Outside Ring.         | 51 Oven Rack. (Steel).                  | 88 High Closet Nicked Band, Top.         |
| 14 Damper, Direct Draft.                 | 52 Oven Top Plate.                      | 89 High Closet Top and Sides. (Steel).   |
| 15 Damper, Direct Draft Frame.           | 53 Poker.                               | 90 High Closet and High Shelf Back.      |
| 16 Damper, Direct Draft Handle.          | 54 Scraper.                             | (Steel).                                 |
| 17 Feed Door.                            | 55 Shaker.                              | (Specify for High Closet or High Shelf). |
| 18 Feed Door Damper.                     | 56 Shelf on Square Range. (Not shown).  | 91 Brackets.                             |
| 19 Fire Box Lining, Center Back.         | 57 Toaster Door.                        | 92 Brackets.                             |
| 20 Fire Box Lining, Left Back.           | 58 Toaster Door Draft Slide.            | 93 High Closet and High Shelf Guard.     |
| 21 Fire Box Lining, Left Back Extension. | 59 Top, Back.                           | 94 High Closet and High Shelf Guard      |
| 22 Fire Box Lining, Left End.            | 60 Top, Front.                          | Corner Left.                             |
| 23 Fire Box Lining, Right Back.          | 61 Top, Left End.                       | 95 High Closet and High Shelf Guard      |
| 24 Fire Box Lining, Right End.           | 62 Top, Right End.                      | Corner Right.                            |
| 25 Fire Door.                            | 63 Towel Bar, Brackets.                 | 96 High Closet and High Shelf Nicked     |
| 26 Fire Door Panel.                      | 64 Towel Bar, Caps.                     | Band.                                    |
| 27 Flue Back, Steel. (Not shown).        | 65 Towel Bar, Tube.                     | (Specify for High Closet or High Shelf). |
| 28 Flue Back Bottom. (Not shown).        | 66 Water Front.                         | 97 High Closet and High Shelf Pipe.      |
| 29 Flue Door.                            | 67 Water Front, Blind Cap. (Not shown). | (Steel).                                 |
| 30 Flue Door Frame.                      | 68 Water Front L.                       | (Specify for High Closet or High Shelf). |
| 31 Flue Strip, Bottom. (Not shown).      | 69 Wood Extension Pocket.               | 98 High Closet and High Shelf Register   |
| 32 Front.                                | 70 Reservoir Back. (Not shown).         | Damper.                                  |
| 33 Front Grate.                          | 71 Reservoir Back Check. (Not shown).   | 99 High Closet and High Shelf Register.  |
| 34 Grate Cogs.                           | 72 Reservoir Back Bottom. (Not shown).  | Damper Frame.                            |
| 35 Grate Frame, Back.                    | 73 Reservoir Back Covers.               | 100 High Closet and High Shelf Tea       |
| 36 Grate Frame, Left End (Not shown).    | 74 Reservoir Damper.                    | Shelf.                                   |
| 37 Grate Frame, Right End.               | 75 Reservoir Damper handle.             | 101 High Closet and High Shelf Tea       |
| 38 Grate, Long Duplex.                   | 76 Reservoir Front.                     | Shelf Bracket.                           |

# List of Repairs for Jewel Cast Ranges

- 1 Leg. State if range has leg frame or not.
- 2 Short Leg Frame. Right or Left. Not shown. For Ranges without low closet.
- 3 Long Leg Frame. Front or Back. Not shown. For Ranges without low closet.
- 4 Main or Leg Bottom.
- 5 Oven Bottom.
- 6 Oven Back.
- 7 Oven Front.
- 8 Oven Top.
- 9 Left End.
- 10 Oven Flue Stopper.
- 11 Flue Door, under Oven Shelf.
- 12 Main Front, or Oven Door Frame.
- 13 Main Back.
- 14 Kicker, or Oven Door Opener.
- 15 Outside Oven Shelf.
- 16 Shelf Name Plate.
- 17 Bottom Flue Strip.
- 25 Hearth Top.
- 26 Ash Pit.
- 27 Swing or Small Slide Hearth. (Not on this Range).
- 29 Ash Pan.
- 32 Wood Grate or False Bottom. (Not shown).
- 34 Wood Fire Door.
- 35 Wood Fire Door Guard or Lining.
- 36 Fire Box Back Lining—Right.
- 37 Fire Box Back Lining—Left.
- 37½ Fire Box Back Lining—Center. (Not on this Range).
- 38 Center Post.
- 39 Front Top.
- 40 Back Top or Collar Top.
- 41 Top Feed Piece.
- 44 Top Feed Piece Guard or Lining.
- 45 Mica Door.
- 46 Mica Door Sliding Damper.
- 47 Mica Frame, or Holder.
- 48 Fire Box Front Lining.
- 49 Wood Pocket.
- 50 Top Rolling Damper.
- 51 Reservoir Rolling Damper.
- 52 Tank Casing—Left.
- 53 Tank Casing—Right.
- 54 Oven Door.
- 56 Oven Door Nickeled Panel.
- 57 Oven Door Tile.
- 58 Oven Door Knob.
- 59 Oven Rack or Slide.
- 60 Towel Rod.
- 61 Right End Plate below Tank Casing, or full right end of Square Range.
- 62 Tank Rest—Short.
- 63 Tank Rest—Long.
- 65 Tank Cover—Back.
- 66 Tank Cover—Front.
- 67 Tank. Copper or Gray Enamelled Iron.
- 68 Stationary Tank Top.
- 70 Tank Casing—Bottom.
- 71 Tank Casing—Front Cheek.
- 72 Tank Casing—Back.
- 80 Short Center.

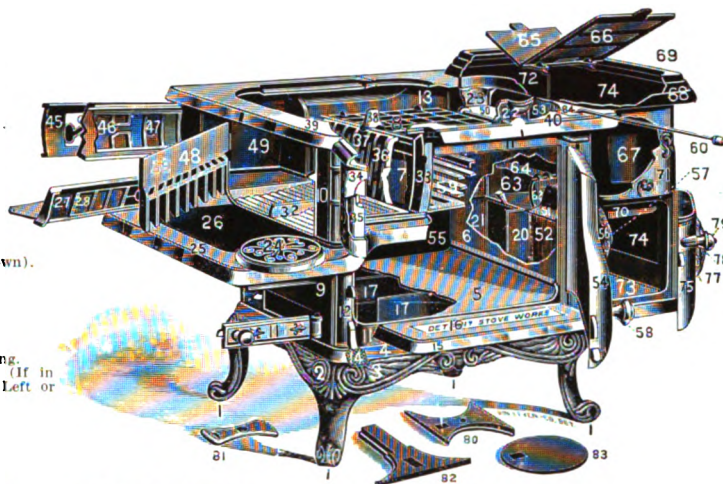


- 81 "T" Center.
- 82 Cut Long Center.
- 83 Covers.
- 84 Number Plate.
- 85 Extension Shelf for Right End of Square Range. (Not shown; state if drop shelf with bracket or stationary shelf).
- 89 Shaking Coal Grate or Bottom Grate. (State whether flat grate, Jewel grate or dock ash grate.)
- 90 Grate Frame.
- 91 Poker Drop.
- 92 Coal Feed Door.
- 93 Coal Feed Door Sliding Damper.
- 94 Ash Catch.
- 95 Fire Box Lining—Front End.
- 96 Fire Box Lining—Back End.
- 97 Grate Slide or Draw Center of Coal Grate.
- 98 Draw Bar for Shaking and Draw Center Grate.
- 99 Shaker.
- 100 Slide for Wood Grate. (Not shown).
- 101 Water Front Caps.
- 102 Grate Cap. (On outside end of Fire Box, and not shown).
- 103 Follower.
- 104 Follower Holder.
- 105 Oven Front Horn or Draw Grate Support.
- 106 Ash Pit Strip—Front or Right.
- 107 Ash Pit Strip—Back or Left.
- 108 Oven Door Ventilating Register (not shown).
- 109 Handle for Reservoir Rolling Damper.
- 110 Handle for Top or Oven Rolling Damper.
- 111 Hook for Top or Oven Rolling Damper.
- 112 Flue Back.
- 113 "T" Shelf—Front.
- 114 "T" Shelf—Back.
- 115 "T" Shelf—Sliding Damper.
- 116 Swinging Tea Pot Shelf.
- 117 High Closet Flue Pipe Back.
- 118 High Closet Flue Pipe Front.
- 119 High Closet Flue Pipe Bonnet.
- 120 High Closet Pipe Collar.
- 121 High Closet Bottom or High Shelf Top.
- 122 High Closet Cylinder Door.
- 123 High Closet Cylinder Handle.
- 124 High Closet Panel Nickeled.
- 125 High Closet Panel Tile. (Not shown).
- 126 High Closet Cylinder Spring Cap—Right.
- 127 High Closet Cylinder Spring Cap—Left. (Not shown).
- 128 High Closet Cylinder End—Right.
- 129 High Closet Cylinder End—Left.
- 130 High Closet End—Right.
- 131 High Closet End—Left.
- 132 High Closet Back—Right.
- 133 High Closet Back—Left.
- 134 High Closet Corner Strip.
- 135 High Closet Top.
- 136 High Closet or High Shelf Top Ornament.
- 137 Low Closet Bottom.
- 138 Low Closet Back.
- 139 Low Closet End—Right.
- 140 Low Closet End—Left.
- 141 Low Closet Door—Right.
- 142 Low Closet Door—Left.
- 143 Low Closet Front or Door Frame.
- 144 Low Closet Door Panel, Nickeled.



## List of Repairs for Jewel Coal Cook

- 1 Legs
- 2 Short Leg Frame.
- 3 Long Leg Frame.
- 4 Leg Bottom.
- 5 Oven Bottom.
- 6 Oven Back.
- 7 Oven Front.
- 8 Oven Top.
- 10 Upper Front.
- 11 Oven Flue Stopper.
- 12 Side, Right.
- 13 Side, Left.
- 14 Kicker, or Oven Door Opener.
- 15 Outside Oven Shelf.
- 16 Shelf Name Plate.
- 17 Bottom Flue Strips.
- 18 Back Flue Strip, Right.
- 19 Back Flue Strip, Left.
- 24 Swing Tea Pot Shelf. (Not Shown).
- 25 Hearth Top.
- 27 Swing Hearth.
- 29 Ash Pan.
- 30 Hearth Front.
- 31 Hearth Flue Stopper.
- 34 Wood Fire Door.
- 35 Wood Fire Door Guard or Lining.
- 36 Fire Back or Back Linings. (If in three pieces, say if Right, Left or Center).
- 37 Fire Back Frame or Holder.
- 38 Center Post.
- 40 Back Top, or Collar Top.
- 41 Side Top, Right.
- 42 Side Top, Left.
- 43 Front Top Feed Piece.
- 44 Front Top Feed Guard or Lining.
- 45 Mica Door.
- 46 Mica Door Slide or Draft Damper
- 47 Mica Frame.
- 48 Front Grate.
- 50 Rolling or Oven Damper.
- 54 Oven Door, Right.
- 55 Oven Door, Left.
- 56 Oven Door, Tile Frame.
- 57 Oven Door, Tile.

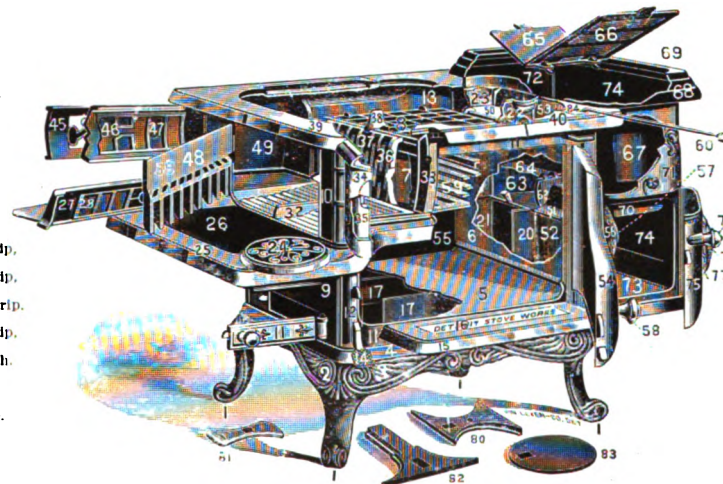


- 58 Oven Door, Knob.
- 59 Oven Rack or Slide.
- 60 Towel Rod.
- 61 Outside Back.
- 80 Short Center, or Cross Piece.
- 82 Cut Center, or Long Cross Piece.
- 83 Lid, or Griddle Cover.
- 84 Number Plate.
- 85 Back Shelf.
- 86 Top Flue Covers.

- 87 Grate Lever.
- 88 Grate Lever Cap.
- 89 Bottom Coal Grate.
- 90 Grate Frame.
- 91 Poker Trap.
- 92 Coal Feed, or Broiling Door.
- 93 Coal Feed Door Sliding Damper.
- 94 Ash Catch.
- 95 End Fire Box Lining, Right.
- 96 End Fire Box Lining, Left.

## List of Repairs for Jewel Wood Cook

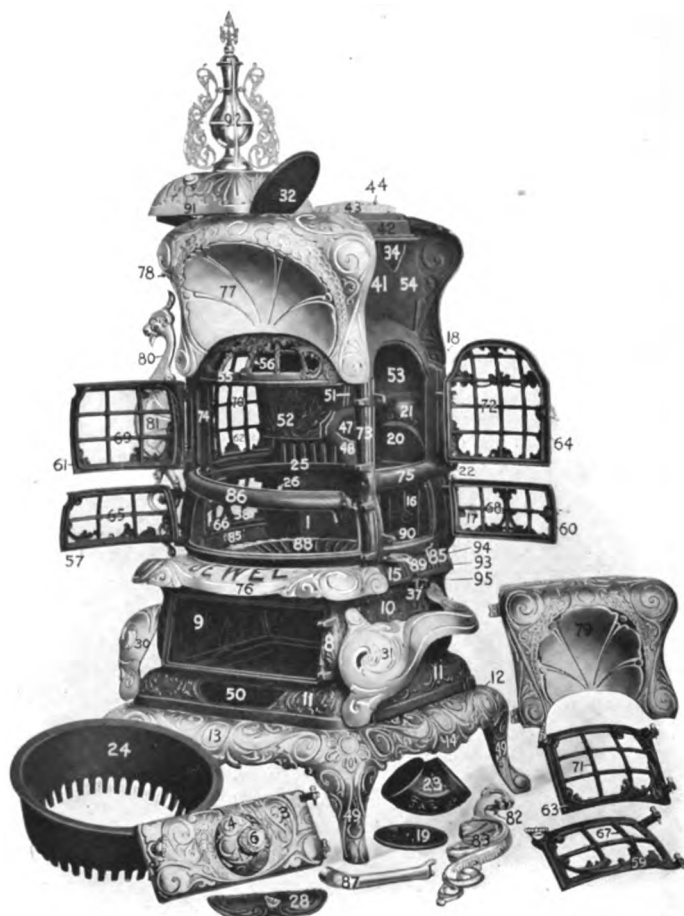
- 1 Legs.
- 2 Short Leg Frame.
- 3 Long Leg Frame.
- 4 Leg Bottom.
- 5 Oven Bottom.
- 6 Oven Back.
- 7 Oven Front.
- 8 Oven Top.
- 9 Lower Front.
- 10 Upper Front.
- 11 Flue Door or Stopper.
- 12 Side, Right.
- 13 Side, Left.
- 14 Kicker or Oven Door Opener.
- 15 Outside Oven shelf.
- 16 Shelf Name Plate.
- 17 Bottom Flue Strips.
- 20 Reservoir Lower Back Flue Strip, Right.
- 21 Reservoir Lower Back Flue Strip, Left.
- 22 Reservoir, Upper Back Flue Strip, Right.
- 23 Reservoir Upper Back Flue Strip, Left.
- 24 Swing Tea Pot Shelf, on Hearth.
- 25 Hearth Top.
- 26 Ash Pit.
- 27 Swing Hearth.
- 28 Swing Hearth Damper or Slide.
- 32 False Bottom.
- 33 Open Check.
- 34 Fire Door.
- 35 Fire Door Guard or Lining.
- 36 Fire Back.
- 37 Fire Back Interlocked Guard.
- 38 Center Post.
- 39 Front Top.
- 40 Back Top.
- 45 Mica Door.
- 46 Mica Slide.
- 47 Mica Frame.
- 48 Front Grate.
- 49 Blind Check.
- 50 Rolling or Oven Damper.
- 51 Reservoir Rolling Damper.
- 52 Lower Reservoir Back.
- 53 Upper Reservoir Back.
- 54 Oven Door, Right.
- 55 Oven Door, Left.



- 56 Oven Door, Tile Frame.
- 57 Oven Door Tile.
- 58 Oven Door Knob.
- 59 Oven Rack or Slide.
- 62 Tank Strip, Right.
- 63 Tank Strip, Left.
- 64 Tank Strip, Top.
- 65 Tank Cover, Small.
- 66 Tank Cover, Large.
- 67 Tank.
- 68 Tank Top.
- 69 Tank Rim.
- 70 Tank Casing, Bottom.

- 71 Closet Head, Right.
- 72 Closet Head, Left.
- 73 Closet Bottom.
- 74 Closet Back.
- 75 Closet Door, Right.
- 76 Closet Door, Left. (Not shown).
- 77 Closet Door, Tile Frame.
- 78 Closet Door, Tile.
- 79 Closet Door, Knob.
- 80 Short Center or Cross Piece.
- 81 Short Center Guard or Lining.
- 82 Cut Center, or Long Cross Piece.
- 83 Lid, or Griddle Cover.
- 84 Number Plate.

# List of Repairs for Jewel Base Burners



- |  |  |                                       |
|--|--|---------------------------------------|
| 1 Ash Back                             | 32 Gas Cover.                            | 64 Mica Door, Upper Right Side.       |
| 2 Ash Fan.                             | 33 Gas Flue Strip Left (not shown).      | 65 Mica Frame, Lower Left Front.      |
| 3 Ash Pit Door.                        | 34 Gas Flue Strip, Right (not shown).    | 66 Mica Frame, Lower Left Side.       |
| 4 Ash Pit Door Draft Register.         | 35 Grate Cog for Long Half (not shown).  | 67 Mica Frame, Lower Right Front.     |
| 5 Ash Pit Door Draft Register          | 36 Grate Cog for Short Half (not shown). | 68 Mica Frame, Lower Right Side.      |
| Screw (not shown).                     | 37 Grate, Duplex, Long Half.             | 69 Mica Frame, Upper Left Front.      |
| 6 Ash Pit Door Draft Register, Screw   | 38 Grate, Duplex, Short Half (not        | 70 Mica Frame Upper Left Side.        |
| Handle.                                | shown).                                  | 71 Mica Frame Upper Right Front.      |
| 7 Ash Pit Door Draft Register Yoke.    | 39 Grate Support, Left (not shown).      | 72 Mica Frame, Upper Right Side.      |
| (Not shown).                           | 40 Grate Support, Right (not shown).     | 73 Mica Front.                        |
| 8 Ash Pit Door Frame.                  | 41 Hopper.                               | 74 Mica Side, Left.                   |
| 9 Ash Pit Side, L. H.                  | 42 Hopper Top.                           | 75 Mica Side, Right.                  |
| 10 Ash Pit Side, R. H.                 | 43 Hot Air Cap.                          | 76 Name Plate.                        |
| 11 Base.                               | 44 Hot Air Damper                        | 77 Nickeled Head, Front.              |
| 12 Base Strip, Back.                   | 45 Hot Air Damper Handle.                | 78 Nickeled Head, Left Side.          |
| 13 Base Strip, Front.                  | 46 Hot Air Flue, Lower (not shown).      | 79 Nickeled Head, Right Side.         |
| 14 Base Strip, Sides.                  | 47 Hot Air Flue, Upper Back.             | 80 Nickeled Wing, Left Back Half.     |
| 15 Base Top.                           | 48 Hot Air Flue, Upper Front.            | 81 Nickeled Wing, Left Front Half.    |
| 16 Check Damper Slide.                 | 49 Legs.                                 | 82 Nickeled Wing, Right Back Half.    |
| 17 Check Damper Slide Handle.          | 50 Leg Bottom.                           | 83 Nickeled Wing, Right Front Half    |
| 18 Collar Top.                         | 51 Magazine Back.                        | 84 Poker.                             |
| 19 Cover.                              | 52 Magazine Front.                       | 85 Poker Door.                        |
| 20 Direct Draft Damper.                | 53 Mica Back, Inside.                    | 86 Removable Center Bar.              |
| 21 Frame.                              | 54 Mica Back, Outside.                   | 87 Shaker.                            |
| 22 Direct Draft Damper Handle.         | 55 Mica Dome.                            | 88 Shaking Ring.                      |
| 23 Elbow.                              | 56 Mica Dome Frame.                      | 89 Shaking Ring Follower.             |
| 24 Fire Pot.                           | 57 Mica Door, Lower Left Front.          | 90 Shaking Ring Follower Holder.      |
| 25 Fire Pot Ring, Back.                | 58 Mica Door, Lower Left Side.           | 91 Swing Cover.                       |
| 26 Fire Pot Ring, Front.               | 59 Mica Door, Lower Right Front.         | 92 Urn.                               |
| 27 Flue Scraper (not shown).           | 60 Mica Door, Lower Right Side.          | 93 Main Back Center (not shown).      |
| 28 Flue Stop.                          | 61 Mica Door, Upper Left Front.          | 94 Main Back, Left Side (not shown).  |
| 29 Flue Strip, Upper Back (not shown). | 62 Mica Door, Upper Left Side.           | 95 Main Back, Right Side (not shown). |
| 30 Foot Rail, L. H.                    | 63 Mica Door, Upper Right Front.         | 96 Lifter.                            |
| 31 Foot Rail, R. H.                    |  |                                       |





### Patent Jewel Lifter

ALWAYS COLD

Lug on end prevents lid from slipping off—holds it in any position desired. The Handle is nicked and always cold.

Price per dozen, 36 cents net—sold at actual cost as an advertisement.



### Stove Foot Rest

Stamped from Steel and nicked—just what you want for placing under the legs of the stoves on your display floor.

Per dozen, 60 cents net.



## Jewel Paste Polish

For Stove Dealers' Use

**T**HE better blackened a merchant keeps the stoves on his display floor the better opportunity he has for making stove sales.

Realizing the importance of making polish that can be easily applied and that will give a lasting polish, we have devoted considerable time and effort toward improving our product, with the result that Jewel Paste Polish is the most satisfactory stove polish made today.

This Paste has no equal for imparting, with little labor, a brilliant and durable polish, which is retained in any climate. It will also prevent rusting. A five-pound pail mixed with benzine will make six gallons of liquid polish.

**Tin pails containing 5 pounds, price 8 cents per pound net. Packed, 6 pails (30 pounds) in a case. Full directions for use accompany each package.**

## Jewel Velvet Liquid Polish

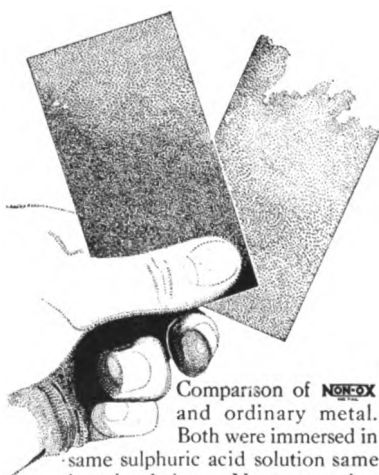
A HIGH GRADE POLISH tried and tested under varying conditions and always proves superior to any other on the market. Will not dust off. Produces a most brilliant polish. Will prove a good seller and a good advertisement for Jewel Dealers.

½ Pint Cans per dozen, net \$1.00

Gallon Cans \$1.00

## Electrotypes for Newspaper Advertising

Free to Jewel Dealers—always order Electrotypes  
with stove shipments, otherwise they will be  
shipped express collect



Comparison of **NON-OX**  
and ordinary metal.  
Both were immersed in  
same sulphuric acid solution same  
length of time. Note corrosion  
of piece of ordinary metal at right.

No. 1568



No. 1557



No. 1429



No. 1554



No. 1549



No. 1531



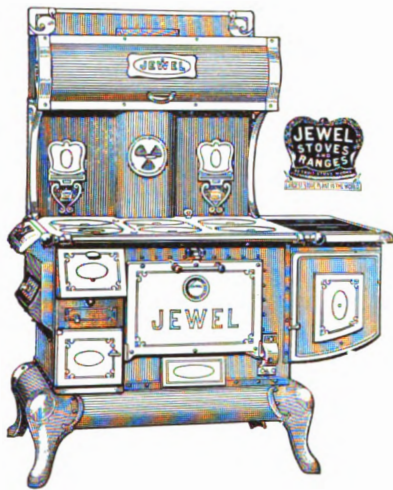
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No. 1350



No. 1402



No. 1521



No. 1527



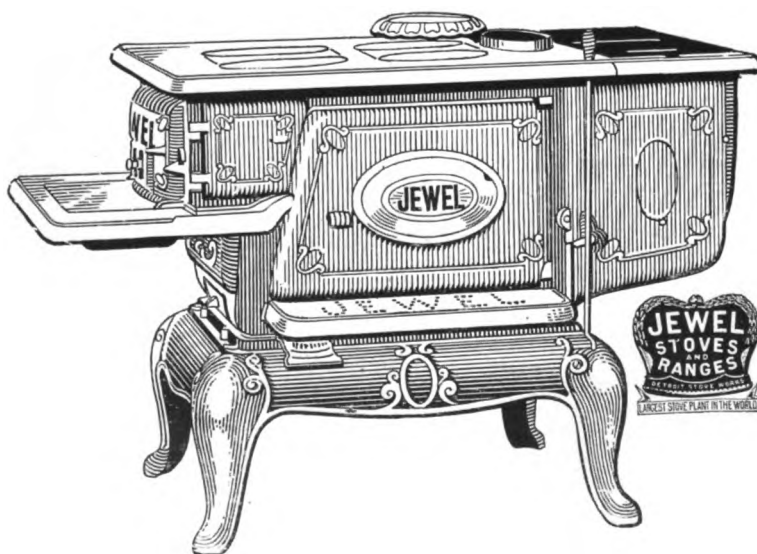
No. 1393



No. 1528



No. 1347



No. 1556

# Directions for Operating Stoves

Issued by the National Association of Stove Manufacturers

To secure good operation in cook stoves and ranges, see:

1. That the flue stopper is in its place.
2. That the chimney is clear and has a good draft at pipe hole. Many chimneys are made too low and draw better when a "smoke stack" is put on them.
3. That the pipe fits closely on the stove and in the chimney. No air should go outside of the pipe.
4. That the pipe does not go too far in the chimney.
5. That no ashes from the chimney get into the end of the pipe.
6. That there are no pipe-hopes open on the opposite side of the chimney, either above or below, and that there is no unused stove with draft slide open, leading into the same chimney.
7. Avoid having the pipe telescope at the elbow. If you have all these parts properly adjusted and well arranged, open the direct draft damper and see if you can get a good fire in the stove together with a strong draft. If the fire will not burn well then, the trouble is not in the stove, but above it.

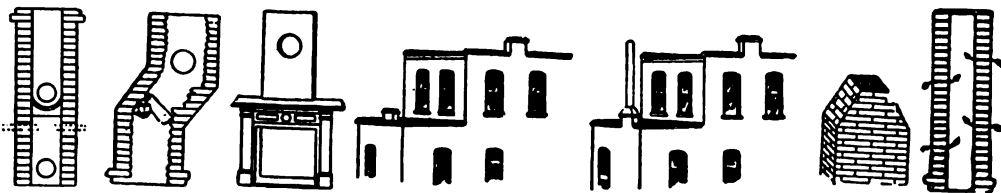
If the fire burns well on the above direct draft, close the oven damper; then if it will not heat the oven and bake well, please examine the flues and damper and see:

1. That all the flues are open and clear, so that the smoke can freely pass through them. In cleaning the flues, many do not clean all the flues, and frequently push soot and ashes into back corners, and in that way stop them up.
2. Examine all the dampers in the flues and see that they open and close tightly, and do not get out of place.
3. Be sure you know how they operate, so that they may not be open when you think they are closed.

If you are trying a stove without a hot-water reservoir and have everything in good order as heretofore described, it cannot possibly fail in operation if you close the direct draft damper and throw all the heat around the oven. Time should be given to get the oven hot before trying to bake.

If you have a stove with a reservoir, be sure that the damper (if one is in the stove) to force the heat under the reservoir is closed, so that all the heat must go around the oven. Many reservoir stoves have two dampers, and in that case both should be closed.

We have known many persons who have tried to use such stove with the damper under the reservoir open, when they thought it was closed. On that account the oven heated too slowly, but worked fast enough when they closed the damper.



It is possible that the draft of the chimney is so strong as to carry the heat so rapidly around the oven as not to be absorbed by the plates, and the oven fails to heat sufficiently from that cause. A damper in the pipe will relieve this.

### **Extracts from various publications respecting chimneys, drafts, etc.**

No stove has what is called a draft; it is the chimney (or its equivalent) that produces the draft. The taller the chimney the stronger the draft.

A stove can no more operate without a chimney than a steam engine can operate without a boiler.

If a stove fails to give satisfaction it is because of having a bad chimney or being improperly set up.

If a stove fails to operate, the chimney must be looked to for a remedy.

We illustrate a few of the causes why the stove is condemned, when the fault is solely in the chimney.

(a) Constructing a chimney by extending the flue downward to the floor, and in many cases into the cellar, creates a place for the accumulation of the soot, ashes, etc., so as to save the expense of cleaning the flue. Then the cold air below the pipe-hole chills the entire column of air in the chimney; it is therefore heavy and impedes the ascent of the smoke. The remedy is to either fill the flue with cement to within 6 inches below the pipe hole, or cut off the flue with a sheet-iron plate, the plate to be covered with several inches of cement, so as to make it air-tight. The result will be to apply the heat at the base of the flue, and a good draft obtained.

(b) Often complaints are made that the cook stove will not operate, although the pipe was carefully fitted into a chimney that has a good draft, and which has been in use for many years. Investigation proves that the stove is attached to a chimney whose base contains a very large old-fashioned fireplace. The remedy for this is the same as the preceding.

(c) The chimney of the kitchen may be much lower than the main part of the house. The wind blowing over the house falls like water over a dam, sometimes almost perpendicularly on the top of the chimney; thus it beats down the smoke contained therein. The remedy is to build up the chimney or add a smokestack above the height of the main building. (See illustration page 221.)

(d) A building or a large tree may be near to and higher than the top of the chimney, so that the wind passing over them would blow down the chimney.

(e) When there is more than one opening in a chimney a great variety of complications may affect the draft, so see that all the openings into the flue, no matter of what kind, excepting the one you are going to use, are securely closed.

(f) A new or green chimney will never have a perfect draft. It will not draw perfectly until it is thoroughly dry, which sometimes requires two to four weeks' time.

(g) In building a chimney, a little mortar may be dropped from time to time and lodge out of sight so as to partially close the chimney. A heavy weight may be let down by a rope and worked against the inside of the flue to force an opening.

(h) In an old chimney the mortar may have crumbled from between the bricks so that it leaks air and spoils the draft.

All the air that passes through the chimney should first pass through the fire.



## **Terms**

All accounts are due and payable 60 days from date of invoice; usual discounts for cash. Early shipment orders accepted on usual datings.

Interest will be charged on all past due accounts.

All bills are payable in New York or Chicago exchange.

Claims for reduction must be made within 10 days after receipt of goods.

In the event of the purchaser selling out, mortgaging or assigning his stock or becoming financially involved, his account shall become due and payable forthwith.

All stove repairs are net cash.

Prices subject to change without notice.

## **Shipments**

To save our customers the excessive transportation charges on goods shipped "Carrier's risk" we ship all stoves, furnaces, etc., "Owner's risk released."

You are the owner of the goods you buy, hence our responsibility ceases on delivery of goods to transportation company, after receiving a receipt for them in "good order."

Owing to the reduced rate on above classification, transportation companies are released from liability for ordinary breakage; however, should the breakage be excessive and be traced to carelessness of employes or caused by collisions, wrecks, etc., then they are liable.

In case of excessive damage, do not refuse shipment but call agent's attention to its condition, making careful note of details on freight bill before freight charges are paid.

File claim for damages with freight agent, who will forward same to claim department. In event of his refusal to do so, send papers to us and we will endeavor to collect for you.

## **Instructions for Ordering Repairs**

To enable the prompt shipment of repairs we carry in stock at all times a large assortment of duplicate parts for all kinds of Jewel Stoves, Ranges and Furnaces.

To avoid unnecessary delay, correspondence and needless expense in shipping repairs, please bear in mind the following instructions:

Always give full name and number of the stove, range or furnace for which repairs are ordered, and all marks, figures and letters cast on the part desired.

In stating position of the parts, face the front of the stove and designate right or left from that position. On ranges, the side on which the oven door opens, we consider the front to the stove.

Give definite shipping instructions as to whether order is to be shipped by freight or express.

When customers do not give full particulars, it is our assumption that it is their wish that we use our best judgment in the filling and shipping of their orders, hence we are not responsible for errors which occur under such conditions.

# Telegraphic Code

## Business Phrases in Frequent Use:

|   |            |
|---|------------|
| Ship us by freight at once . . .                      | Parched    |
| Ship us by boat at once . . .                         | Parchment  |
| Add to our order . . . . .                            | Pardon     |
| Change our order to read . . .                        | Pardonable |
| If our order has not yet<br>been shipped . . . . .    | Parent     |
| If our order has been ship-<br>ped . . . . .          | Parentage  |
| Quote us prices by wire on<br>the following . . . . . | Parish     |
| Ship by freight direct to . . .                       | Valentine  |
| Ship us by electric car line<br>at once . . . . .     | Vanity     |

## Railroads:

|   |           |
|---|-----------|
| Via Chicago & Grand Trunk . . .                         | Pack      |
| Via Detroit, Grand Haven<br>& Milwaukee . . . . .       | Paddle    |
| Via Pere Marquette . . . . .                            | Pagan     |
| Via Grand Trunk . . . . .                               | Pagoda    |
| Via Lake Shore & Michigan<br>Southern . . . . .         | Painful   |
| Via Michigan Central . . . . .                          | Painter   |
| Via Atchison, Topeka and<br>Santa Fe . . . . .          | Palisade  |
| Via Baltimore & Ohio . . . . .                          | Palliate  |
| Via Chicago & Alton . . . . .                           | Pallid    |
| Via Chicago & Eastern Illi-<br>nois . . . . .           | Palm      |
| Via Erie . . . . .                                      | Palpable  |
| Via Chicago & Northwest-<br>ern . . . . .               | Paltry    |
| Via Chicago, Burlington &<br>Quincy . . . . .           | Pamper    |
| Via Chicago, Milwaukee &<br>St. Paul . . . . .          | Pamphlet  |
| Via Chicago, Rock Island &<br>Pacific . . . . .         | Pander    |
| Via Chicago Great Western . . .                         | Panel     |
| Via Cincinnati, Hamilton &<br>Dayton . . . . .          | Passage   |
| Via Cleveland, Cincinnati,<br>Chicago & St. Louis . . . | Parody    |
| Via Illinois Central . . . . .                          | Pang      |
| Via Monon . . . . .                                     | Panic     |
| Via New York, Chicago &<br>St. Louis . . . . .          | Panorama  |
| Via Pittsburg, Cincinnati,<br>Chicago & St. Louis . . . | Pansy     |
| Via Pennsylvania Co. . . . .                            | Pantheon  |
| Via Wabash . . . . .                                    | Panther   |
| Via Trollev Line . . . . .                              | Passenger |
| Via Wisconsin Central . . . . .                         | Pantry    |
| Care of Great Northern . . . . .                        | Parachute |
| Care of Missouri Pacific . . . . .                      | Paradise  |
| Care of Northern Pacific . . . . .                      | Paradox   |
| Care of Southern Pacific . . . . .                      | Paragram  |
| Care of Union Pacific . . . . .                         | Paragraph |

## Lake Lines:

|   |             |
|---|-------------|
| Anchor Line . . . . .                                       | Partiality  |
| Ashley & Dustin's Line . . . . .                            | Partial     |
| Detroit & Buffalo Naviga-<br>tion Co. . . . .               | Pastoral    |
| Detroit & Cleveland Navi-<br>gation Co. . . . .             | Participate |
| Goodrich Transportation<br>Company . . . . .                | Particle    |
| Graham & Morton Trans-<br>portation Co. . . . .             | Particular  |
| Lake Michigan & Lake Su-<br>perior Transportation Co. . . . | Partition   |
| Union Transit Company . . . . .                             | Partridge   |
| Northern Steamship Co. . . . .                              | Passable    |
| Northern Michigan Line . . . .                              | Party       |
| White Star Line . . . . .                                   | Passport    |
| Thompson Line . . . . .                                     | Pastime     |
| Rutland Line . . . . .                                      | Patrol      |
| Dunkley-Williams Line . . . . .                             | Patriot     |

## Cable Code:

|  |            |
|--|------------|
| Our Cable Address is Barbour-Detroit                         |            |
| Have goods insured . . . . .                                 | Park       |
| Ship via Allen Line to . . . . .                             | Parlance   |
| Ship via Anchor Line to . . . . .                            | Parlev     |
| Ship via Compagnie Gene-<br>rale Transatlantique . . . . .   | Parliament |
| Ship via Cunard Line to . . . . .                            | Partner    |
| Ship via Inman Line to . . . . .                             | Parole     |
| Ship via Netherlands Am-<br>erican Steam Nav. Co. to . . . . | Parrot     |
| Ship via North German<br>Lloyd Line to . . . . .             | Parsley    |
| Ship via Red Star Line to . . . .                            | Parsnip    |
| Ship via Union Line to . . . . .                             | Parson     |
| Ship via White Star Line to . . .                            | Partake    |

## Express Code:

|  |            |
|--|------------|
| Send us at once by express . . .                           | Tabard     |
| Send us at once by Adams<br>Express . . . . .              | Tabernacle |
| Send us at once by Ameri-<br>can Express . . . . .         | Table      |
| Send us at once by National<br>Express . . . . .           | Taboo      |
| Send us at once by North-<br>ern Pacific Express . . . . . | Tabular    |
| Send us at once by Pacific<br>Express . . . . .            | Tacit      |
| Send us at once by United<br>States Express . . . . .      | Taciturn   |
| Send us at once by Wells<br>Fargo Express . . . . .        | Tackle     |
| Send us at once by South-<br>ern Express . . . . .         | Tackey     |

## Use of Code Illustrated

The use of the Telegraphic Code published in this Catalogue will be understood from the following:  
**Code Telegram**—Parched Pander six Laconic, two Liberty; three Logwood.  
**Translation**—Ship us by freight at once, via Chicago, Rock Island & Pacific Railroad, six No. 84-16 Supreme, two No. 84-16 Harvard, three No. 84-16 Logwood.  
 By comparing the number of words used in the Code Telegram with the number used in the translation, it will be noticed that there is a saving of 20 words. By the use of the telegraphic code our patrons will not only be able to reduce the cost of telegraphing us to a minimum, but they will also be less likely to make mistakes than when attempting to transmit long directions and descriptions.

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